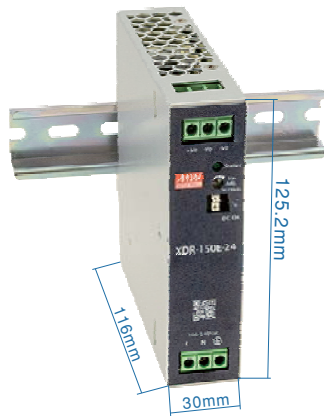


## ■ Features

- 85~264Vac input range
- Global certificates in multi-fields (ITE 62368-1, Industrial 61558-1/-2-16, 61010)
- 30mm slim width
- High efficiency up to 91% and no load power dissipation < 1W
- Built-in constant current limiting circuit
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Fanless design, cooling by free air convection
- Over voltage category III (OVC III)
- -40~+70°C wide range operation temperature (>+50°C derating)
- Operating altitude up to 5000 meters
- Built-in DC OK relay contact
- Can be installed on DIN rail TS-35/7.5 or 15
- 3 years warranty

## ■ Description

The XDR-150E series is a 150W AC/DC economical ultra slim industrial DIN rail power. Key features of this series include a narrow 30mm casing, optimizing system installation space, and an ultra-wide input range of 85~264Vac suitable for global use. It boasts a maximum efficiency of 91% and a low standby power consumption < 1W for energy savings and carbon reduction. It has built-in constant current, fanless design, a wide operating temperature range of -40 to +70°C (up to +50°C at full load); OVCIII compliance; built-in DC OK signal. With comprehensive protection functions, complete safety certifications, and a 3-years warranty, the XDR-150E series is a compact, high-performance, and highly reliable DIN rail power supply.

## ■ Model Encoding

**XDR - 150E - 24**

- Output voltage (12V/24V/36V/48V)
- Economical version
- Output wattage
- Series name

## ■ Applications

- Industrial control system
- Semiconductor fabrication equipment
- Factory automation
- Electro-mechanical apparatus
- Battery charger

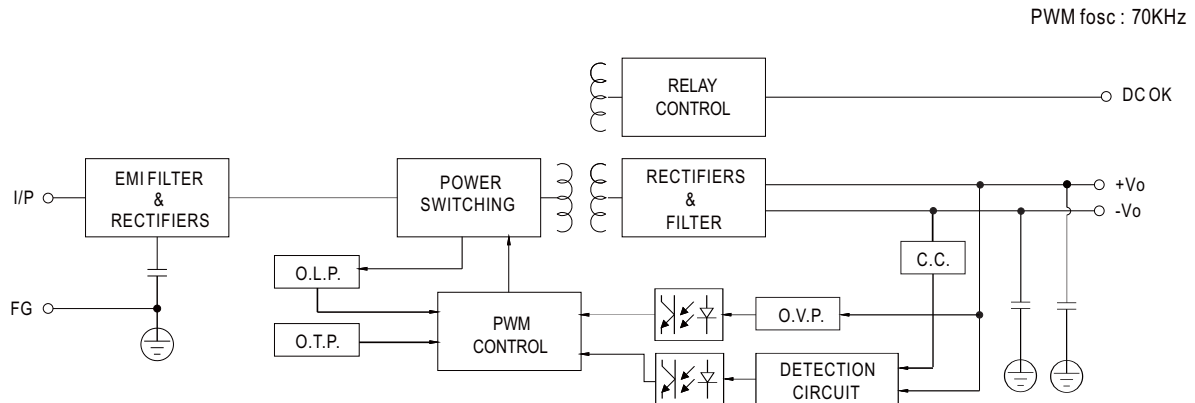
## ■ GTIN CODE

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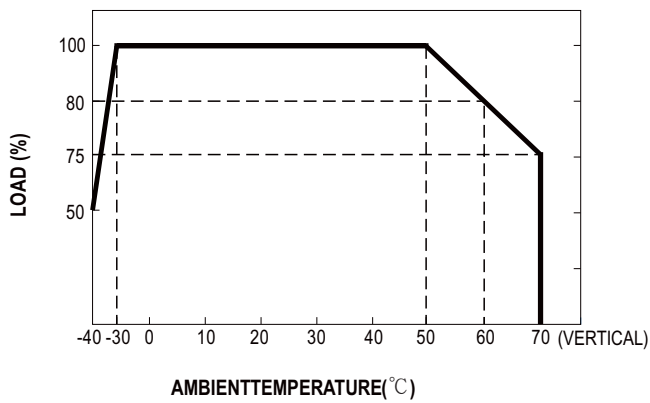
## SPECIFICATION

| MODEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                            |                  | XDR-150E-12                                                                                                                                                                                                                                                                                              | XDR-150E-24 | XDR-150E-36                                         | XDR-150E-48       |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------|-------------------|--|
| OUTPUT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DC VOLTAGE                                 |                  | 12V                                                                                                                                                                                                                                                                                                      | 24V         | 36V                                                 | 48V               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RATED CURRENT                              | 115VAC           | 10A                                                                                                                                                                                                                                                                                                      | 5.2A        | 3.46A                                               | 2.6A              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            | 230VAC           | 11A                                                                                                                                                                                                                                                                                                      | 6.5A        | 4.33A                                               | 3.25A             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CURRENT RANGE                              | 115VAC           | 0 ~ 10A                                                                                                                                                                                                                                                                                                  | 0 ~ 5.2A    | 0 ~ 3.46A                                           | 0 ~ 2.6A          |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            | 230VAC           | 0 ~ 11A                                                                                                                                                                                                                                                                                                  | 0 ~ 6.5A    | 0 ~ 4.33A                                           | 0 ~ 3.25A         |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RATED POWER                                | 115VAC           | 120W                                                                                                                                                                                                                                                                                                     | 124.8W      | 124.6W                                              | 124.8W            |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            | 230VAC           | 132W                                                                                                                                                                                                                                                                                                     | 156W        | 155.9W                                              | 156W              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RIPPLE & NOISE (max.)<br><div>Note.2</div> |                  | 100mVp-p                                                                                                                                                                                                                                                                                                 | 120mVp-p    | 150mVp-p                                            | 200mVp-p          |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | VOLTAGE ADJ. RANGE                         |                  | 12 ~ 15V                                                                                                                                                                                                                                                                                                 | 24 ~ 29V    | 36 ~ 42V                                            | 48 ~ 55V          |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | VOLTAGE TOLERANCE<br><div>Note.3</div>     |                  | ± 2.0%                                                                                                                                                                                                                                                                                                   | ± 1.0%      | ± 1.0%                                              | ± 1.0%            |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LINE REGULATION                            |                  | ± 0.5%                                                                                                                                                                                                                                                                                                   | ± 0.5%      | ± 0.5%                                              | ± 0.5%            |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LOAD REGULATION                            |                  | ± 1.0%                                                                                                                                                                                                                                                                                                   | ± 1.0%      | ± 1.0%                                              | ± 1.0%            |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SETUP, RISE TIME                           |                  | 1200ms, 60ms/230Vac      2500ms, 60ms/115Vac at full load                                                                                                                                                                                                                                                |             |                                                     |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | HOLD UP TIME (Typ.)                        |                  | 16ms/230Vac      8ms/115Vac at full load                                                                                                                                                                                                                                                                 |             |                                                     |                   |  |
| INPUT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | AC VOLTAGE RANGE                           |                  | 85 ~ 264Vac                                                                                                                                                                                                                                                                                              |             |                                                     |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | DC VOLTAGE RANGE                           |                  | 120 ~ 370Vdc                                                                                                                                                                                                                                                                                             |             |                                                     |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NO LOAD POWER CONSUMPTION (Typ.)           |                  | 0.9W @115Vac & 230Vac                                                                                                                                                                                                                                                                                    |             | 1W @115Vac & 230Vac                                 |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | FREQUENCY RANGE                            |                  | 47 ~ 63Hz                                                                                                                                                                                                                                                                                                |             |                                                     |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | EFFICIENCY (Typ.)                          |                  | 89%                                                                                                                                                                                                                                                                                                      |             | 91%                                                 |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | AC CURRENT (Typ.)                          |                  | 2.6A/115Vac      1.6A/230Vac                                                                                                                                                                                                                                                                             |             |                                                     |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | INRUSH CURRENT (Typ.)                      |                  | COLD START    20A/115Vac    40A/230Vac                                                                                                                                                                                                                                                                   |             |                                                     |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LEAKAGE CURRENT                            |                  | <1mA / 240Vac                                                                                                                                                                                                                                                                                            |             |                                                     |                   |  |
| PROTECTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | OVERLOAD                                   |                  | 105~130% rated output power ,constant current limiting without shutdown, recovers automatically after fault condition is removed /230Vac<br>105~150% rated output power ,constant current limiting without shutdown, recovers automatically after fault condition is removed/115Vac                      |             |                                                     |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | OVER VOLTAGE                               |                  | 15 ~ 18V                                                                                                                                                                                                                                                                                                 | 30 ~ 34V    | 43 ~ 50V                                            | 56 ~ 65V          |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            |                  | Protection type : Shut down o/p voltage, re-power on to recover                                                                                                                                                                                                                                          |             |                                                     |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | OVER TEMPERATURE                           |                  | Protection type : Shut down o/p voltage,recovers automatically after fault condition is removed                                                                                                                                                                                                          |             |                                                     |                   |  |
| FUNCTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DC OK RELAY CONTACT                        |                  | Relay Contact Ratings (max.):30Vdc/1A, 30Vac/0.5A resistive load                                                                                                                                                                                                                                         |             |                                                     |                   |  |
| ENVIRONMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | WORKING TEMP.<br><div>Note.4</div>         |                  | -40 ~ +70℃ (Refer to "Derating Curve")                                                                                                                                                                                                                                                                   |             |                                                     |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | WORKING HUMIDITY                           |                  | 20 ~ 95% RH non-condensing                                                                                                                                                                                                                                                                               |             |                                                     |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | STORAGE TEMP., HUMIDITY                    |                  | -40 ~ +85℃, 10 ~ 95% RH non-condensing                                                                                                                                                                                                                                                                   |             |                                                     |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TEMP. COEFFICIENT                          |                  | ±0.03% /℃ (0 ~ 50℃)                                                                                                                                                                                                                                                                                      |             |                                                     |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | VIBRATION                                  |                  | Component:10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6                                                                                                                                                                                             |             |                                                     |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SAFETY STANDARDS                           |                  | UL61010; TUV BS EN/EN62368-1, BS EN/EN61558-1/-2-16, BS EN/EN61010; CB IEC62368-1, IEC61558-1, IEC61010; RCM AS/NZS 62368-1, AS/NZS 61558-1/-2-16; BSMI CNS15598-1; CCC GB4943.1; EAC TPTC004 approved; <b>KC KC62368-1 and BIS IS13252 (Part 1):2010 certified, no stock ,contact sale for inquires</b> |             |                                                     |                   |  |
| SAFETY & EMC<br>(Note 7)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | OVER VOLTAGE CATEGORY<br><div>Note.4</div> |                  | IEC/EN 61558-1/-2-16 (OVC III, altitude up to 2000m )<br>IEC/EN/UL 61010 (OVC II, altitude up to 5000m )<br>IEC/EN 62368-1 (OVC II, altitude up to 5000m )                                                                                                                                               |             |                                                     |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SAFETY EXTRA-LOW VOLTAGE(SELV)             |                  | IEC/EN 61558-2-16 (SELV )<br>IEC/EN/UL 61010-2-201 (SELV )<br>IEC/EN 62368-1 (SELV / ES1 )                                                                                                                                                                                                               |             |                                                     |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | WITHSTAND VOLTAGE                          |                  | I/P-O/P: 4KVac    I/P-FG: 2KVac    O/P-FG: 1.5KVac    O/P-DC OK: 0.5KVac                                                                                                                                                                                                                                 |             |                                                     |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ISOLATION RESISTANCE                       |                  | I/P-O/P, I/P-FG, O/P-FG: 100M Ohms/500VDC/25℃ / 70%RH                                                                                                                                                                                                                                                    |             |                                                     |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | EMC EMISSION                               | Parameter        | Standard                                                                                                                                                                                                                                                                                                 |             |                                                     | Test Level / Note |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            | Conducted        | BS EN/EN55032 (CISPR32) / BS EN/EN61204-3 / CNS15936                                                                                                                                                                                                                                                     |             |                                                     | Class B           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            | Radiated         | BS EN/EN55032 (CISPR32) / BS EN/EN61204-3 / CNS15936                                                                                                                                                                                                                                                     |             |                                                     | Class B           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            | Harmonic Current | BS EN/EN61000-3-2                                                                                                                                                                                                                                                                                        |             |                                                     | Class A           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            | Voltage Flicker  | BS EN/EN61000-3-2                                                                                                                                                                                                                                                                                        |             |                                                     | -----             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            | EMC IMMUNITY     | BS EN/EN55035, BS EN/EN61204-3, BS EN/EN61000-6-2(BS EN/EN50082-2)                                                                                                                                                                                                                                       |             |                                                     |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Parameter                                  |                  | Standard                                                                                                                                                                                                                                                                                                 |             | Test Level / Note                                   |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ESD                                        |                  | BS EN/EN61000-4-2                                                                                                                                                                                                                                                                                        |             | Level 3, 8KV air ; Level 3, 4KV contact; criteria A |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Radiated                                   |                  | BS EN/EN61000-4-3                                                                                                                                                                                                                                                                                        |             | Level 3, 10V/m ; criteria A                         |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | EFT / Burst                                |                  | BS EN/EN61000-4-4                                                                                                                                                                                                                                                                                        |             | Level 2, 2KV ; criteria A                           |                   |  |
| Surge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | BS EN/EN61000-4-5                          |                  | Level 4, 2KV/Line-Line ;Level 4, 4KV/Line-Line-Chassis ;criteria A                                                                                                                                                                                                                                       |             |                                                     |                   |  |
| Conducted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | BS EN/EN61000-4-6                          |                  | Level 3, 10V ; criteria A                                                                                                                                                                                                                                                                                |             |                                                     |                   |  |
| Magnetic Field                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | BS EN/EN61000-4-8                          |                  | Level 4, 30A/m ; criteria A                                                                                                                                                                                                                                                                              |             |                                                     |                   |  |
| OTHERS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | MTBF                                       |                  | 2201.7K hrs min.    Telcordia SR-332 (Bellcore) ;      440.4K hrs min.    MIL-HDBK-217F (25℃)                                                                                                                                                                                                            |             |                                                     |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | DIMENSION                                  |                  | 30*125.2*116mm (W*H*D)                                                                                                                                                                                                                                                                                   |             |                                                     |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PACKING                                    |                  | 430g; 24pcs/11.3Kg/1.27CUFT                                                                                                                                                                                                                                                                              |             |                                                     |                   |  |
| NOTE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                            |                  |                                                                                                                                                                                                                                                                                                          |             |                                                     |                   |  |
| 1. All parameters NOT specially mentioned are measured at 230Vac input, rated load and 25℃ of ambient temperature.<br>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ F & 47 μ F parallel capacitor.<br>3. Tolerance : includes set up tolerance, line regulation and load regulation.<br>4. When the temperature is between -40 ° C and -20 ° C and the input voltage is between 85V and 90V, the temperature derating curve drops to 40% .<br>5. The ambient temperature derating of 3.5℃/1000m with fanless models and of 5℃/1000m with fan models for operating altitude higher than 2000m(6500ft).<br>6. Installation clearances : 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently with full power.<br>In case the adjacent device is a heat source, 15mm clearance is recommended.<br>7. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. (as available on <a href="https://www.meanwell.com/Upload/PDF/EMI_statement_en.pdf">https://www.meanwell.com/Upload/PDF/EMI_statement_en.pdf</a> )<br>※ Product Liability Disclaimer : For detailed information, please refer to <a href="https://www.meanwell.com/serviceDisclaimer.aspx">https://www.meanwell.com/serviceDisclaimer.aspx</a> |                                            |                  |                                                                                                                                                                                                                                                                                                          |             |                                                     |                   |  |

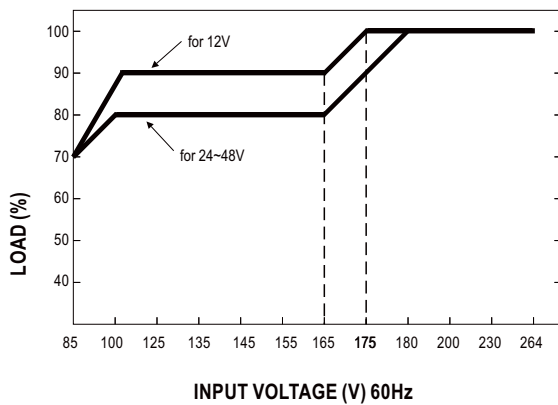
## ■ Block Diagram



## ■ Derating Curve



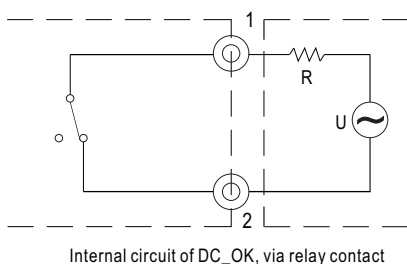
## ■ Static Characteristics



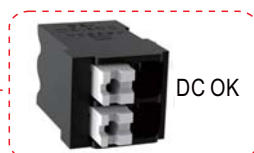
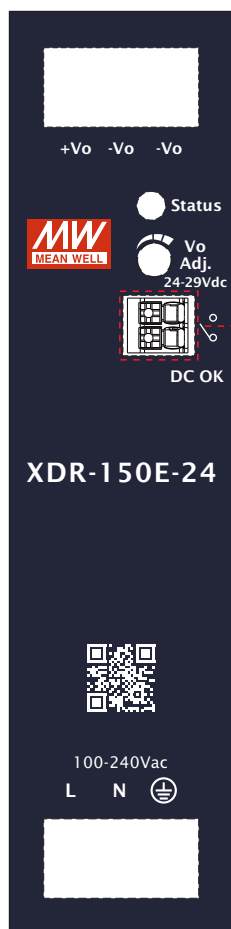
## ■ Function Manual

### 1.DC OK Relay Contact

|                        |                                      |
|------------------------|--------------------------------------|
| Contact Close          | PSU turns ON / DC OK.                |
| Contact Open           | PSU turns OFF / DC Fail.             |
| Contact Ratings (max.) | 30Vdc/1A, 30Vac/0.5A resistive load. |



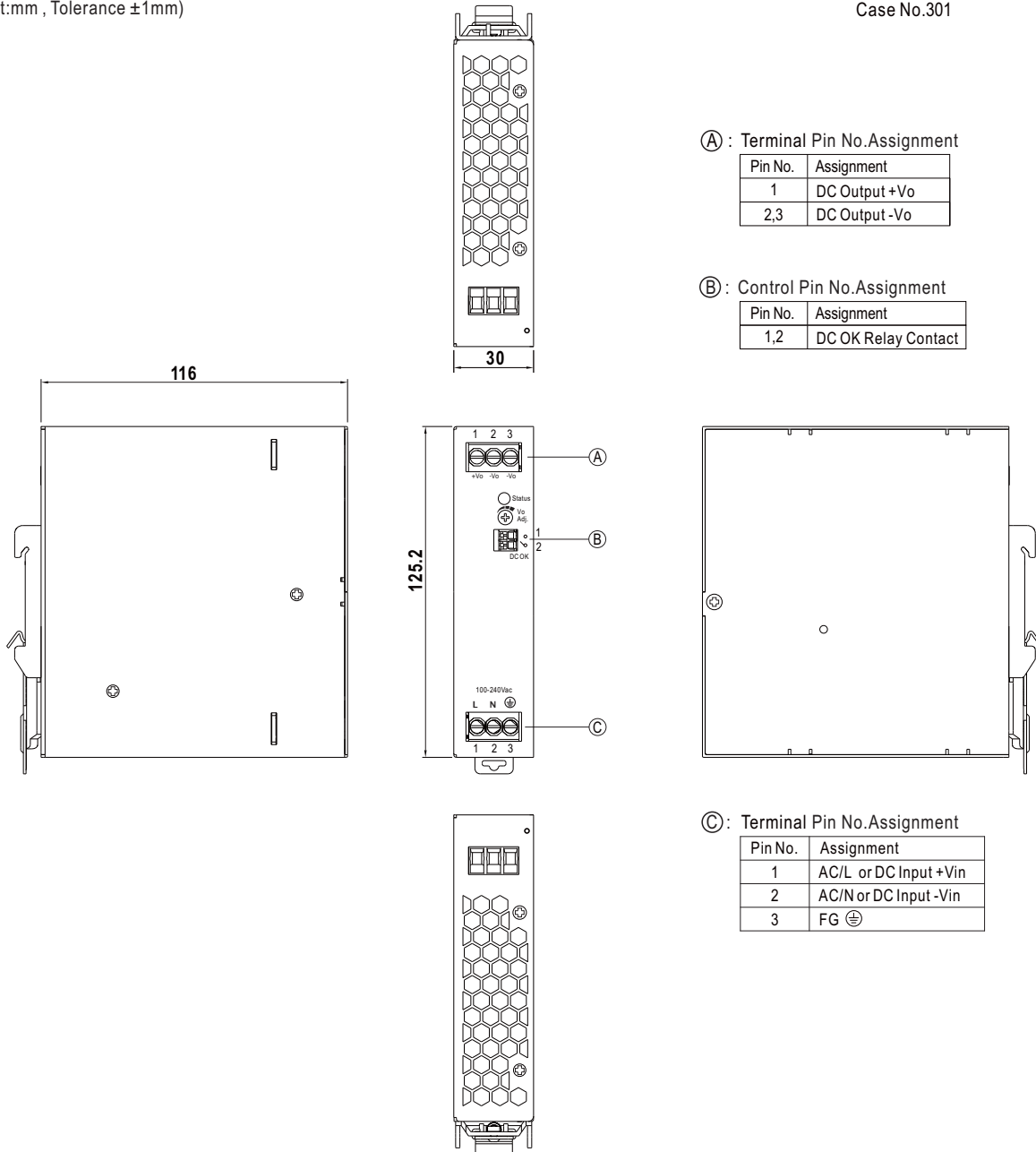
External voltage source (U) and resistor (R)  
(The max. Sink is 30Vdc/1A, 30Vac/0.5A)



## ■ Mechanical Specification

(Unit:mm , Tolerance  $\pm 1\text{mm}$ )

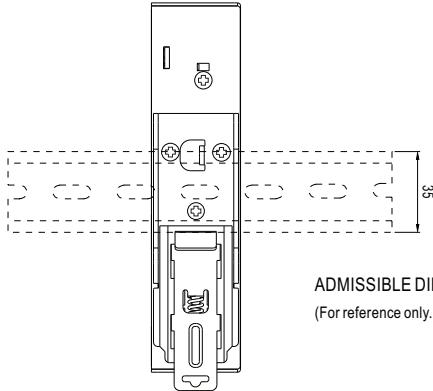
Case No.301



## ■ Recommend Wiring

|                       | AC Input T.B          | DC Output T.B         | Signal connector        |
|-----------------------|-----------------------|-----------------------|-------------------------|
| Solid Wire            | 6mm <sup>2</sup> max. | 6mm <sup>2</sup> max. | 1.5mm <sup>2</sup> max. |
| A.W.G                 | 22~10 AWG             | 22~10 AWG             | 24~16 AWG               |
| Screw Terminal Torque | 9 Lb-In               | 9 Lb-In               | /                       |

#### ■ Installation Instruction



ADMISSIBLE DIN-RAIL: TS35/7.5 OR TS35/15  
(For reference only. Not included with unit.)

This series fits DIN rail TS35/7.5 or TS35/15.  
For installation details, please refer to the Instruction manual.

#### ■ Installation Manual

Please refer to : <http://www.meanwell.com/manual.html>