

## YSL30F-30W SERIES



**Input: 220-240V 50/60Hz**  
**Output Voltage: 12V,24V,36V,48V**  
**Rated Power: 30W max**

### Features

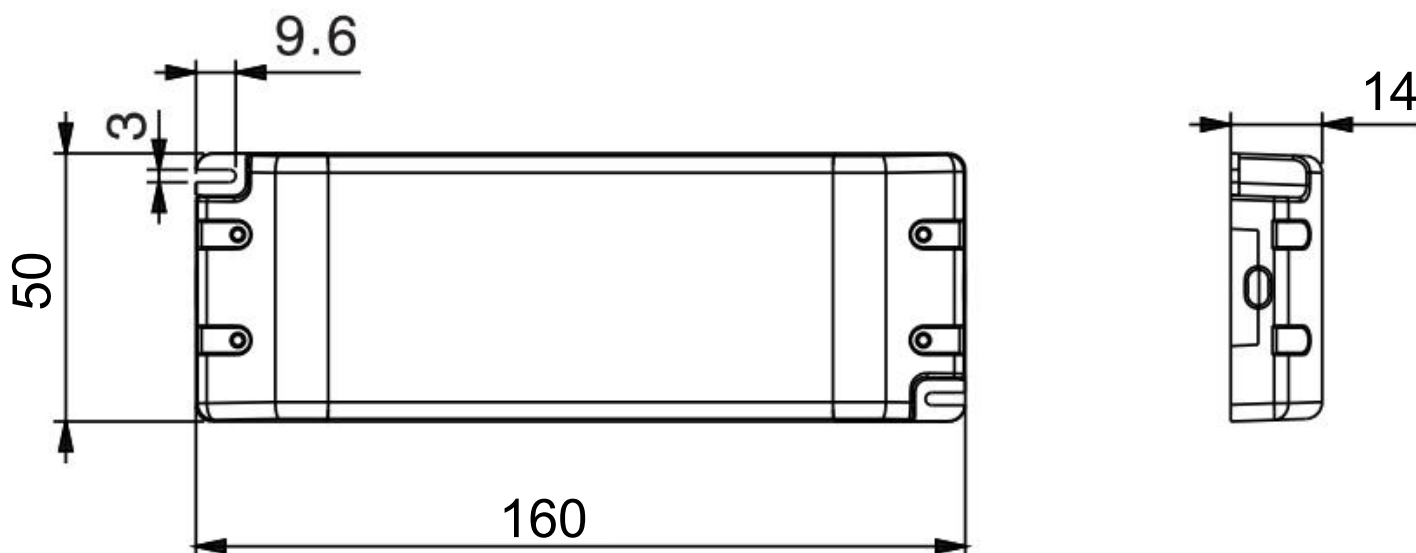
- Super compact Power Supply
- flicker-free Design
- Terminal block for Quick Connection
- Protections: Over Voltage, Overload, Short Circuit,
- Class II Protection Design
- ERP: EU2019/2020
- RoHS Compliance
- 100% full load burn-in test



### Application

LED strips  
 LED indoor lighting  
 LED decorative lighting  
 LED building lighting

### ■ Dimensions and Installation

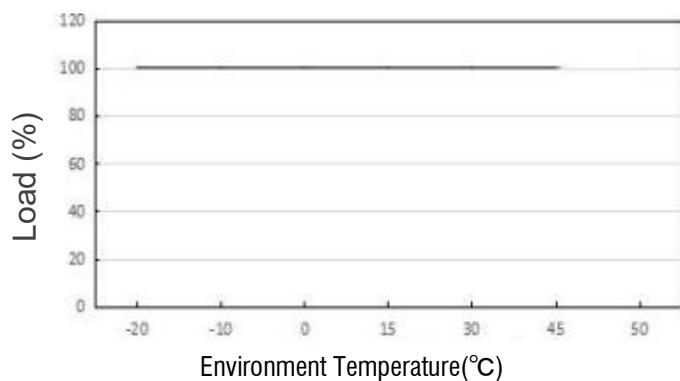


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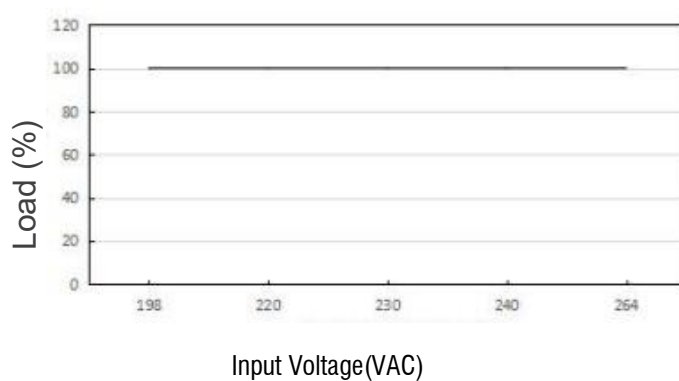
| MODEL DETAIL SPEC. |                              | YSL30F-1202500                                                                                                                           | YSL30F-2401250 | YSL30F-3600830 | YSL30F-4800625 |
|--------------------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|
| INPUT              | Input Voltage:               | 220-240VAC                                                                                                                               |                |                |                |
|                    | Range of Input Voltage:      | 198-264VAC                                                                                                                               |                |                |                |
|                    | Input Frequency:             | 50-60Hz                                                                                                                                  |                |                |                |
|                    | Input Current:               | 0.4AMAX@Full Load                                                                                                                        |                |                |                |
|                    | Inrush Current:              | < 65 Amps at 230VAC/50Hz@full load                                                                                                       |                |                |                |
|                    | Leakage Current:             | < 0.25mA/240VAC                                                                                                                          |                |                |                |
|                    | THD (Full load):             | < 20%                                                                                                                                    |                |                |                |
|                    | Unload Power Consumption:    | < 0.5W                                                                                                                                   |                |                |                |
|                    | Average Efficiency:          | 88%                                                                                                                                      |                |                |                |
|                    | Power Factor:                | ≥0.9@Full Load 220-240VAC                                                                                                                |                |                |                |
| OUTPUT             | DC Voltage:                  | 12V                                                                                                                                      | 24V            | 36V            | 48V            |
|                    | Rated Current(Max):          | 2.5A                                                                                                                                     | 1.25A          | 0.83A          | 0.625A         |
|                    | Rated Power(Max):            | 30W                                                                                                                                      | 30W            | 30W            | 30W            |
|                    | Voltage Tolerance:           | ±5%                                                                                                                                      |                |                |                |
|                    | Ripple and Noise:            | 400mVp-p                                                                                                                                 | 400mVp-p       | 400mVp-p       | 400mVp-p       |
|                    | Line Regulation:             | ±3%                                                                                                                                      |                |                |                |
|                    | Load Regulation:             | ±5%                                                                                                                                      |                |                |                |
|                    | Setup, Rise, Hold Up Time:   | 1s, 10ms/60ms 230VAC @ full load                                                                                                         |                |                |                |
| ENVIRONMENTAL      | Operating Temperature Ta:    | -20°C ~ +45°C                                                                                                                            |                |                |                |
|                    | Storage Temp:                | -40°C ~ +85°C                                                                                                                            |                |                |                |
|                    | Maximum Case Temperature Tc: | +85°C                                                                                                                                    |                |                |                |
|                    | Humidity:                    | 20 ~ 95% RH                                                                                                                              |                |                |                |
|                    | Lifetime:                    | >30000hours@ta 40°C                                                                                                                      |                |                |                |
| PROTECTION         | Over Load:                   | Yes , Above 105%-130% rated output power<br>Protection type: Hiccup mode, recovers automatically after fault condition is removed        |                |                |                |
|                    | Over Voltage:                | Yes , 12V:13.8 ~ 16.2V 24V:27.6 ~ 32.4V 36V:41.4~48.6V 48V: 55.2~64.8V<br>Protection type: Shut down o/p voltage, re-power on to recover |                |                |                |
|                    | Short Circuit:               | Yes , Protection type:Hiccup mode, recovers automatically after fault condition is removed                                               |                |                |                |
|                    | Over Temperature:            | NO                                                                                                                                       |                |                |                |
|                    |                              |                                                                                                                                          |                |                |                |
| SAFETY & EMC       | Safety Regulations:          | EN61347-2-13:2014 + A1:2017, EN61347-1:2015 + A1:2021; EN62493:2015                                                                      |                |                |                |
|                    | Withstand Voltage:           | I/P-O/P:3750VAC                                                                                                                          |                |                |                |
|                    | Harmonic:                    | EN61000-3-2 Class C EN61000-3-3                                                                                                          |                |                |                |
|                    | EMI:                         | Compliance to EN55015                                                                                                                    |                |                |                |
|                    | EMS:                         | Compliance to EN61547:2009                                                                                                               |                |                |                |
| OTHER              | MTBF:                        | 200,000 Hours Minimum at Full Load at 25°C Ambient                                                                                       |                |                |                |
|                    | Case Material and Size:      | Plastic                                                                                                                                  |                |                |                |
|                    | IP Grade:                    | IP20                                                                                                                                     |                |                |                |
|                    | Size:                        | 160*50*14mm                                                                                                                              |                |                |                |
|                    | Weight:                      | 130g / pcs                                                                                                                               |                |                |                |
|                    | Packaging:                   | 50PCS/CTN, 35*14.5*35cm                                                                                                                  |                |                |                |

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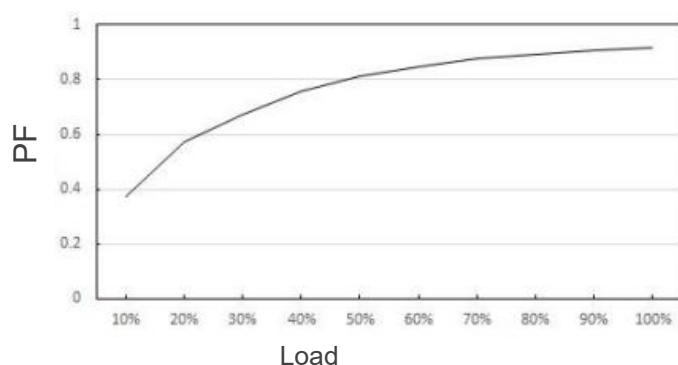
**Deduction Curve  
and Temperature**



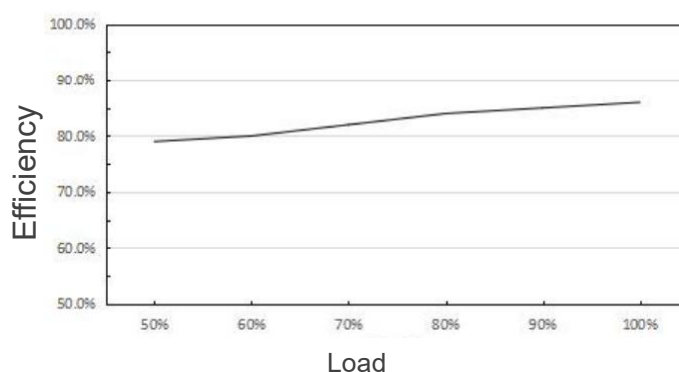
**Minus Output  
and Input Voltage Curves**



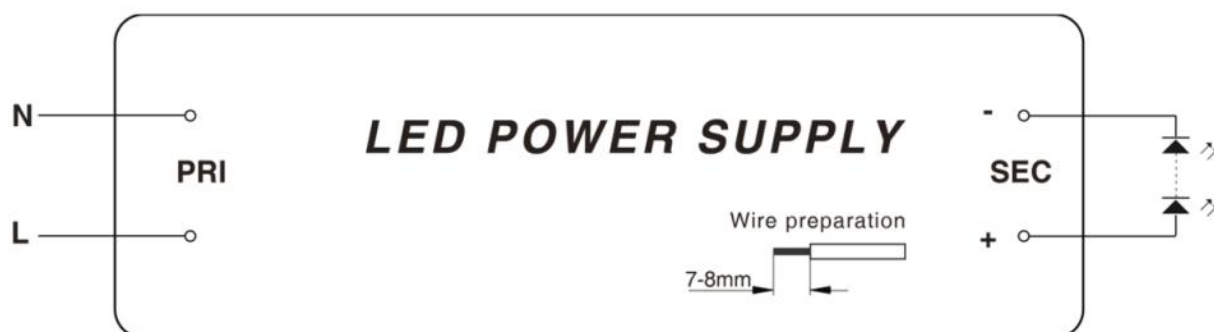
**Power Factor (PF)  
Curves**



**Efficiency Vs Load**



## Wiring Diagram



## Manufacturer's address:

Cuijia, Xidian Town, Ninghai, Ningbo 315613, China

Tel: +86-574-87563856

<https://www.yingjiaodriver.com>