



SPS-100 Series

100Watts, Single Output, AC-DC Power Supply



198 x 95 x 38mm
7.80 x 3.74 x 1.50inch



FEATURES

- * Safety Approved:
UL1950/ CSA C22.2 No 950-95/ TUV EN 60950/
IEC 60950/ EMKO-TSE 207/94
- * EMI: FCC CFR47 Part 15 Class B/ EN50081-1/
CNS 13438 Class B
EMS: EN50082-1
- * Short circuit protection: shut down & auto recovery
- * Over load protection: shut down & auto recovery
- * Over voltage protection
- * Non min. load requirement
- * Output voltage $\pm 10\%$ adjustment
- * 100% 50°C burn-in test.

AMBIENT

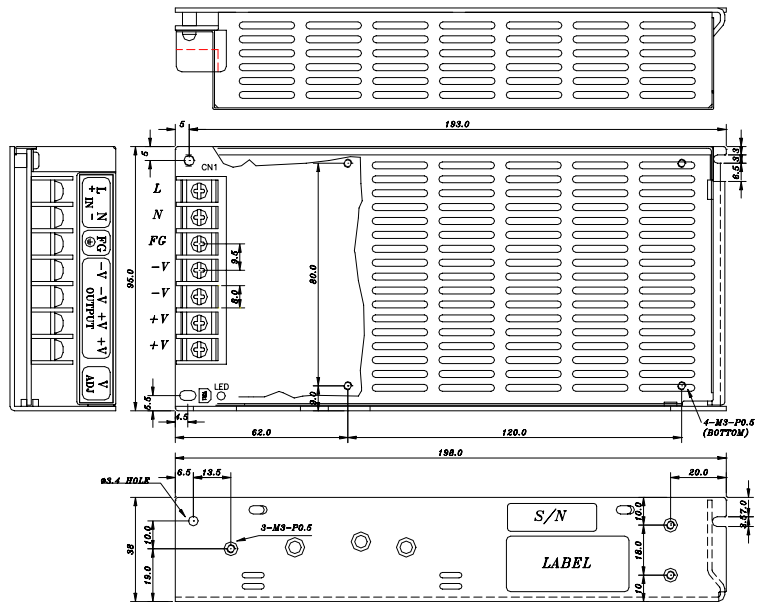
- * Operating temperature range: 0~70°C
- * De-rating factor 50°C ~70°C: 2.5%/°C
- * Storage temperature: -10 to +75°C
- * Humidity: Operation: 20% to 85% RH.(Non condensing)
Storage: 10% to 95% RH.(Non condensing)
- * MTBF: >270,000 hours

INPUT

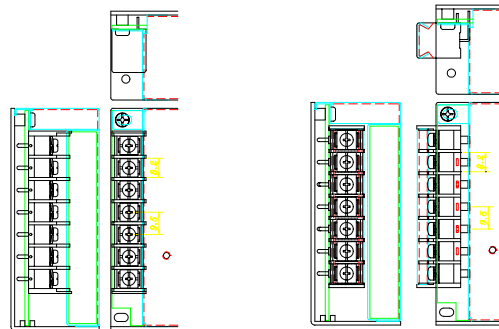
- * Universal full range 88-264VAC or 120-375VDC
- * AC Frequency: 47-63Hz
- * Current: 3.0A max at 100V full load..
- * Inrush current: 35A max. at 115V, 70A max. at 230V
Cold start at 25°C ambient
- * Leakage current: $\leq 1.5\text{mA}$ @ AC 264V

DC OUTPUT

- * Setup time: 800ms/115VAC, 300ms/230VAC
- * Rise time: $\leq 20\text{ms}$
- * Hold up time: 16.7ms/115VAC, 80ms/230VAC



- * Connector: 7p/9.5mm pitch terminal block (Right angel type optional)
- * Weight: 660g/pc.
- * * Terminal block with pc cover optional, show as below:



Type A: Straight pins with pc cover

Type B: Right angle pins with pc cover

MODEL NO.	SPS-100-3.3	SPS-100-05	SPS-100-12	SPS-100-15	SPS-100-24	SPS-100-24Q	SPS-100-48
VOLTAGE	3.3V	5 V	12V	15V	24V	28V	48V
MAX. LOAD	23A	20 A	8.5 A	6.8 A	4.2 A	3.6 A	2.1 A
REGULATION	$\pm 3\%$	$\pm 2\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$
RIPPLE & NOISE(MAX.)	50mV	50mV	120mV	150mV	240mV	280mV	300mV
EFFICIENCY(TYP.)	66%	74%	78%	78%	80%	80%	82%