



100W 12V DC LED Power Supply

MODEL EPS-12E100
 INPUT 180~250V AC
 OUTPUT 12V DC 8.33A 100W

Features:

- Slimline design
- Fully sealed with plastic housing IP67
- No ground connection

SELV    

INPUT

INPUT VOLTAGE 180~250V AC
 (Refer to the derating curve of
 "Loading and Input voltage")
 FREQUENCY RANGE 50/60Hz
 EFFICIENCY 86%
 AC CURRENT $\leq 0.81A@230VAC$
 AC INRUSH CURRENT 2.1A@230VAC
 LEAKAGE CURRENT 0.25mA/230VAC

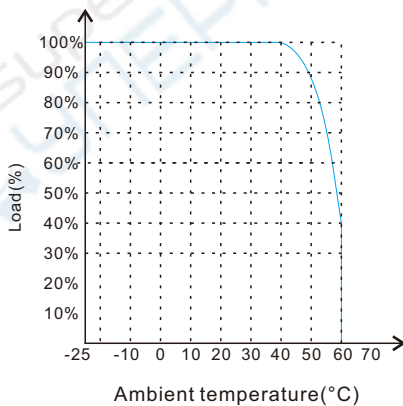
PROTECTION

OVER LOAD 105%-120% rated power,
 Protection Type:auto-recovery,
 after fault condition is removed
 SHORT CIRCUIT 105%-120% rated power,
 Protection Type:auto-recovery,
 after fault condition is removed

SAFETY & EMC

SAFETY STANDARDS IEC61347 A1 +A14
 EMC EN 55015;EN 61547;EN 61000-3-2;
 EN 61000-3-3
 WITHSTAND VOLTAGE I/P-FG:1.5KV AC I/P-O/P:3.0KV AC
 ISOLATION I/P-O/P:> 100M Ohms/500VDC/25°C
 /75%RH

LOADING AND AMBIENT TEMPERATURE



OUTPUT

DC OUTPUT 12V
 OUTPUT CURRENT 8.33A
 RATED POWER 100W
 VOLTAGE TOLERANCE $\pm 5\%$
 RIPPLE NOISE 200mV P-P(Max.)
 SETUP RISE TIME $\leq 2000mS(Max.)/230VAC$

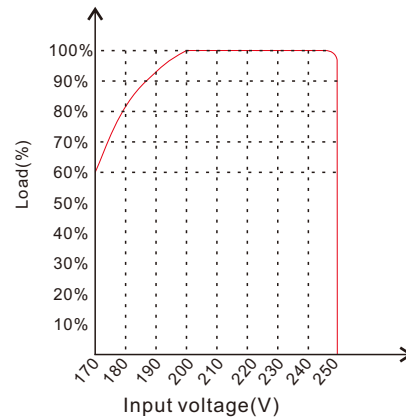
ENVIRONMENT

OPERATING TEMPERATURE -25°C~+40°C
 (Refer to the derating curve of
 "Loading and Ambient temperatur")
 OPERATING HUMIDITY 5%~95%
 STORAGE TEMPERATURE -35°C~+65°C

WEIGHT & PACKING

PRODUCT DIMENSION 195x48x31.5mm
 NET WEIGHT 0.48KG
 QUANTITY/CARTON 20PCS
 PACKING DIMENSION 425x160x100mm
 GROSS WEIGHT 12KG

LOADING AND INPUT VOLTAGE



INSTALLATION GUIDE

- It is recommended to use no more than 80% of the rated load of a power supply, to have tolerance for the power increase of LED modules or strips when their running temperature goes up.
- It is very important to have enough ventilation for a power supply to avoid overheating.
- Do not install the power supply in a closed place, or near flammable or explosive objects, or in a place easily flooded.
- Choose wires with correct AWG or copper area for electrical connection according to the rated current.

OVERVIEW



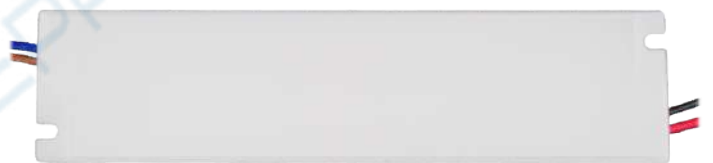
TOP VIEW



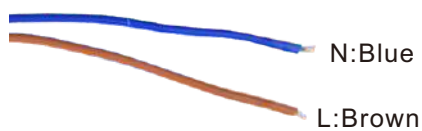
FRONT VIEW



BOTTOM VIEW



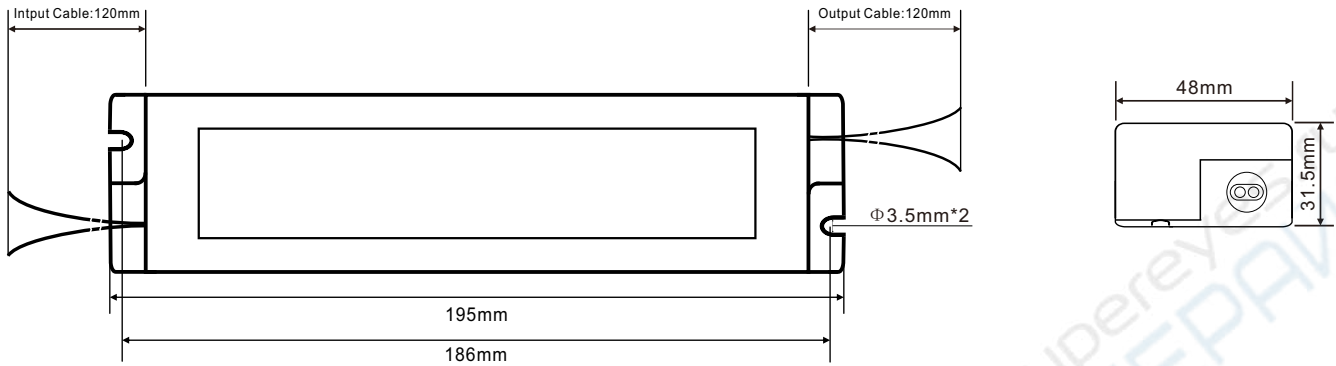
AC INPUT CONNECTION



DC OUTPUT CONNECTION



PRODUCT DIMENSIONS



INNER BOX



OUTER CARTON

