



■ Description

High cost performance and meets SELV standard. To improve the safety of products, we added open circuit, short circuit, overload, and overtemperature protection functions. Compliance with ERP directive Warranty is 5 years.



■ Input

Items	Conditions	Request	Note
Input voltage	Ta	100-240Vac	-
Input frequency		50/60Hz	-
Input current	25°C, rated input voltage, output with max. rated power	<1.8A	-
Input power		<168W	-
Efficiency		≥ 92%	Typ.
Standby	25°C, rated input voltage, output without load	<0.5W	Average
Inrush current	25°C, rated input voltage	<75A	Peak
PF	25°C, rated input voltage, output max. rated power	≥ 0.9	-

■ Output

Items	Conditions	Request	Note
Startup time	25°C, Input voltage, 230Vac, output with rated power	<0.5S	-
Output voltage and precision	Ta, rated input voltage, output with max. rated power	48V± 5%	-
Output current range	Ta, rated input voltage	0-3.125A	-
Output voltage wave	25°C, rated input voltage output with max. rated power	240mV	Vp-p
Output overload	25°C, rated input voltage, output with 2 times LED load	Yes	-
Output current and precision	Ta, rated input voltage, output with rated power	-	-
Rated output voltage range	Ta, rated input voltage, output with rated power	-	-
Output current wave	25°C, rated input voltage, output max. rated power	-	Lp-p
Dimming mode	-	-	-
Dimming range	-	-	-

■ Temperate and others

Items	Conditions	Request	Note
Operation temp.	-	-20-45°C	-
Relative humidity	-	45%-85%	-
Max. case temp.	-	90°C	-
Lifetime	Max. Ta, rated input voltage output with max. rated power	30,000hr	-
Working noise	At 25°C, with rated input voltage and output at rated power mute box background noise is <35 dB, measured at a 10cm distance from the products.	Yes	-

■ Mechanical, mounting

Items	Conditions
Case material and size	Plastic case
Mounting ways	Independent
Insulation type	Class II
IP grade	IP20
Input cables dimension	Terminal block
Output cables dimension	Terminal block
Output cables length	-

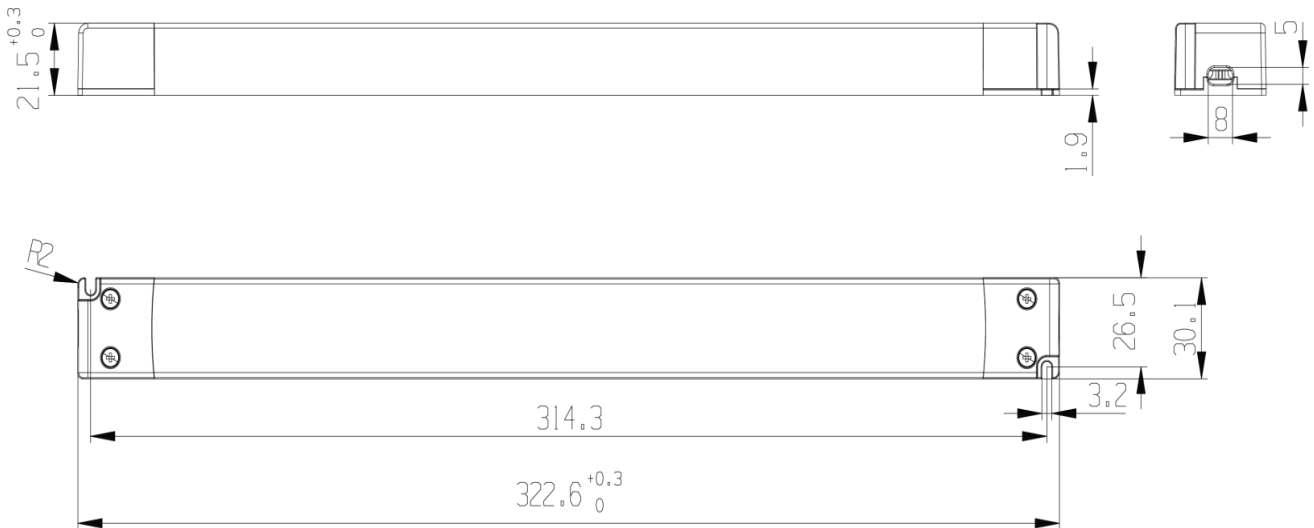
■ Protection

Items	Conditions	Request	Note
Open circuit	Ta, rated input voltage, no load	Yes	-
Over load	Ta ,0.94-1.06 times of input voltage, 1.5 times of rated	Yes	-
Short circuit	Ta ,0.94-1.06 times of input voltage	Yes	-
Over temperature	Ta ,0.94-1.06 times of input voltage, temperature detected point more than 115 degree	Yes	-
Over voltage	Ta ,0.94-1.06 times of input voltage, output voltage is 1.5 times of rated one	Yes	-
Auto recovery	Over load, short circuit revocation	Yes	-
Latch off	Over voltage, over heat re-start after cut off	Yes	-

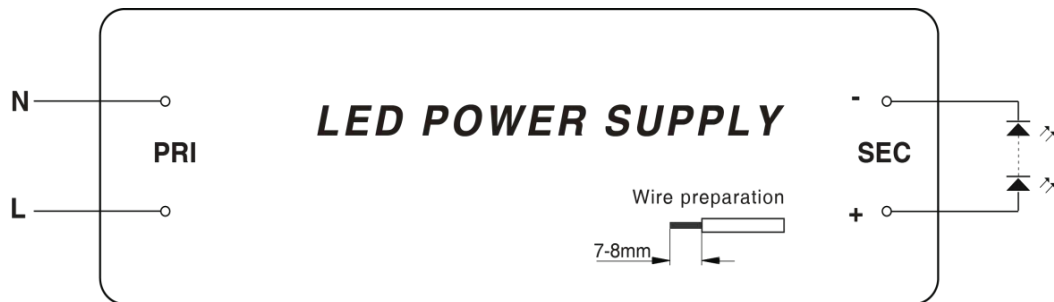
■ **Standard**

Items	Conditions
Safety	IEC61347-1、IEC61347-2-13
Harmonic	EN61000-3-2 Class C
EMI	EN55015, FCC part 15 class B
EMS	EN61000-4-2、3、4、5、6, EN61547

■ **Mechanical Specification(Unit : mm)**



■ **Wiring Diagram**



■ **Characteristic curve**

Fig. 1 Output load-Temperature curve

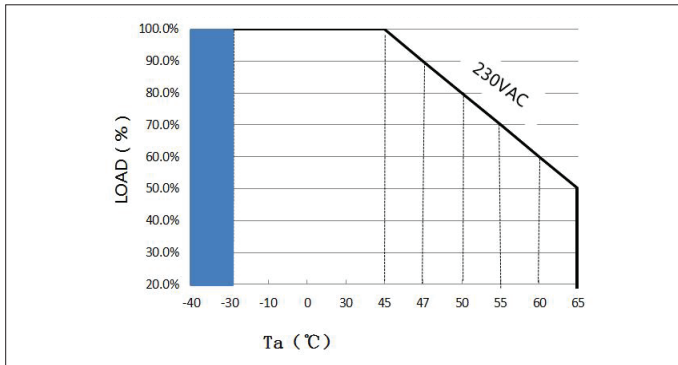


Fig. 2 Static characteristic curve

