



## LED POWER SUPPLY DATASHEET

### SLP100-12VFP(UE)

#### ·DESCRIPTION

**SELV, open circuit, short circuit, overload and over temperature protection.**  
**Compliance to CLASS I .Warranty is 5years.**



#### ·Input

Items	Conditions	Request	Note
Input voltage	Ta	100-240Vac	--
Input frequency		50/60Hz	--
Input current		< 1.3A	--
Input power	25°C, rated input voltage, output with max. rated power	< 114W	--
Efficiency		≥ 90%	--
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, rated input voltage, output with max. rated power	<0.5S	230Vac 50Hz
Output voltage and precision	Ta, rated input voltage, output with rated power	12V±5%	<13V
Output current range	Ta, rated input voltage	0-8.33A	--
Output voltage wave	25°C, rated input voltage, output with max. rated power	<500mV	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 current wave	25°C, rated input voltage, output with max. rated power	--	Ip-p

#### ·Temperate and others

Item	Conditions	Request	Note
Operation temp	--	-20-55°C	--
Relative humidit	--	45%-85%	--
Max. case temp	--	90°C	<95°C
Lifetime	Max.Ta, rated input voltage, output with max.rated power	30,000hr	--
Working noise	25°C, rated input voltage, output with rated power, mute box background noise<35dB, pickup 10cm distance from products	<35dB	--

#### ·Mechanical, mounting

Items	Conditions
Case material and size	Aluminium case 350.6x30*x18.6mm
Mounting ways	Independent
Insulation type	Class I
IP grade	IP67
Input cables dimension	H05RN-F 1.0m*3 VDE
Output cables dimension	SJTW 18AWG*2C
Output cables length	Max 2M

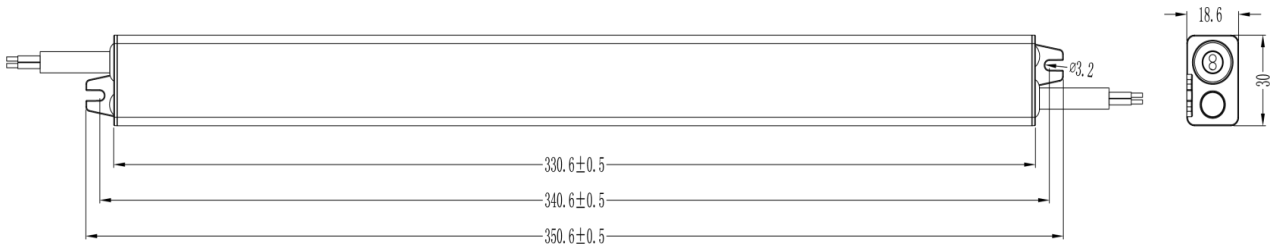
#### ·Protection

Items	Conditions	Request	Note
Open circuit	Ta, rated input voltage, no load	--	--
Over load	Ta, 0.94-1.06 times of input voltage, 1.4-1.8 times of rated	yes	--
Short circuit	Ta, 0.94-1.06 times of input voltage	yes	--
Over temperatu	Ta, 0.94-1.06 times of input voltage, temperature detected pointed 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, over short and over heat circuit revocation	yes	--
Latch off	Over voltage re-start after cut off	yes	--

#### ·Standard

Items	Conditions	
Safety	UL8750	IEC61347-1, IEC61347-2-13
Harmonic	--	IEC61000-3-2 Class
EMI	FCC PART15 CLASSB	EN55015
EMS	--	EN61000-4-2,3,4,5,6 EN61547

● **Dimensions(mm)**



● **Wiring Diagram**

