

LED Waterproof Power Supply(C&V)

- Protections: short circuit/over load/over voltage/over temperature
- Small size, easy installation
- IP67 design for indoor or outdoor installation
- It can be used in dry, wet and rainy environment
- Cooling by free air, high reliability
- 100% full load burn-in test
- Suitable for internal lights application for I / II / III.
- Widely used in LED lighting and IT equipment
- Compliance to worldwide safety regulation for led lightings.

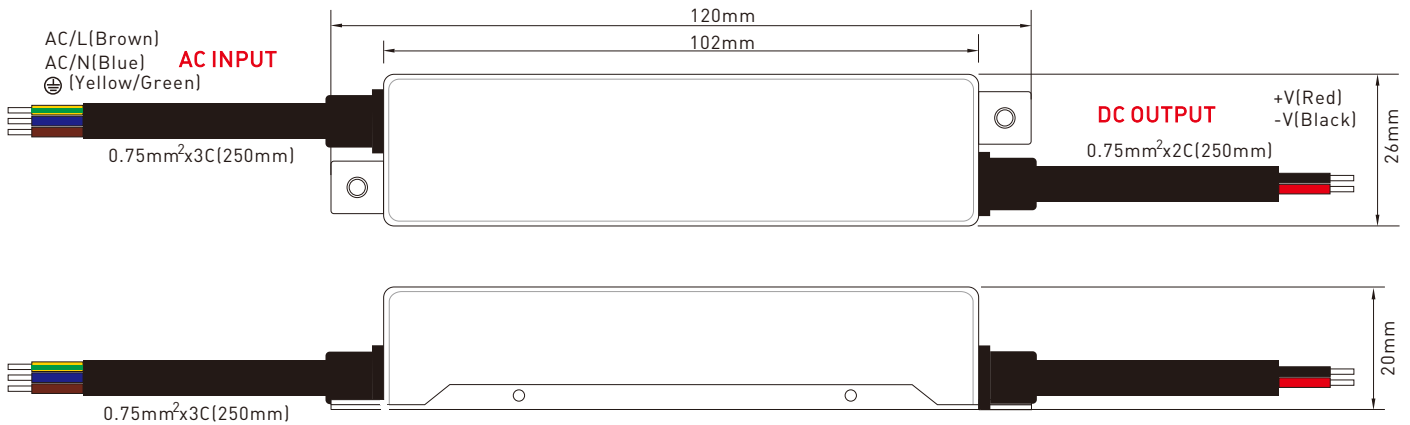


Specification

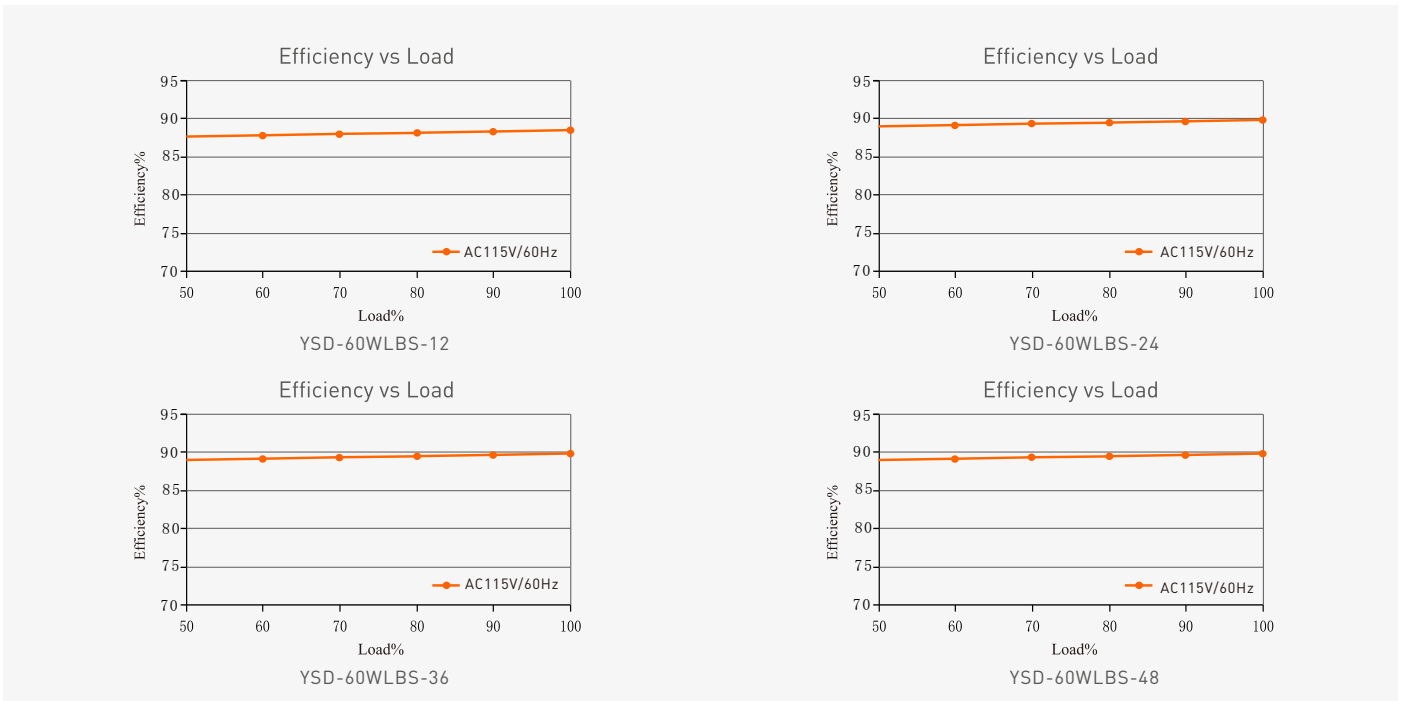
Model	YSD-60WLBS-12	YSD-60WLBS-24	YSD-60WLBS-36	YSD-60WLBS-48	
OUTPUT	Output voltage	12VDC	24VDC	36VDC	48VDC
	Output voltage range	12VDC±0.5VDC	24VDC±0.5VDC	36VDC±0.5VDC	48VDC±0.5VDC
	Output current	Max 5A	Max 2.5A	Max 1.67A	Max 1.25A
	Output power	Max 60W			
	Output power range	0~60W			
	Ripple & Noise	≤120mV	≤240mV	≤240mV	≤240mV
	Linear Regulation	±1%			
	Load Regulation	±1%			
	Start-up Time (Typ)	500ms/115VAC			
Hold Up Time(Typ)	16ms/115VAC				
INPUT	Input voltage	100-130Vac			
	Frequency	60Hz			
	Input current	1.2A/115Vac			
	Power factor	PF>0.5			
	No-load power consumption	< 0.5W			
	Efficiency (typ.)	89%	90%	90%	90%
	Inrush current(typ.)	Cold start 35A at 115Vac			
	Control surge capability	L,N:1KV L,N-PE:2KV			
Leakage current	Max. 0.5mA				
ENVIRONMENT	Working temperature	ta: -30°C~ 50°C tc: 80°C			
	Working humidity	20 ~ 99%RH, condensing(Waterproof)			
	Storage temp., humidity	-40°C ~ 80°C, 10~95%RH			
PROTECTION	Overtemperature	Protection type: Gradually reduce the output voltage as the temperature rises, directly turn off the output voltage, and automatically recover after the temperature drops			
	Over load protection	Load current ≥ 110%- 150%, gradually reduce the output voltage, until closed, can be automatically restored			
	Short circuit protection	Protection type: It can be automatically restored after the fault is eliminated.			
SAFETY & EMC	Withstand voltage	I/P-O/P:3750Vac			
	Isolation resistance	I/P-O/P: 100MΩ/500VDC/25°C/70%RH			
	Safety standards	IEC/EN61347;IEC/EN60950;IP67			
	EMC Test Standards	EN55015: 2013;EN61547: 2009; EN61000-3-2:2014; EN61000-3-3:2013			
Reliability and Quality Control	Impact aging	100% of the product is fully loaded and impacted for 4 hours under an environment of at least 40°C±5°C			
	Component derating	Under the steady-state conditions of rated input and output, the stress of components will not exceed its maximum nominal value			
NOTE	1. All parameters not specifically mentioned are measured at 115VAC input, rated load and 25°C ambient temperature. 2. Ripple and noise test method: connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure under 20MHZ bandwidth. 3. Ensure that the power supply is used under the rated parameters and environment.				

Dimensions

Unit:mm



Relationship diagrams



Packaging Information

DIMENSION	120x26x20mm(LxWxH)
PACKING	171x45x27mm(LxWxH)
CARTON QUANTITY	60PCS
CARTON SIZE	354x298x157mm(LxWxH)
WEIGHT	120g±10g/PCS

Temperature load curve

