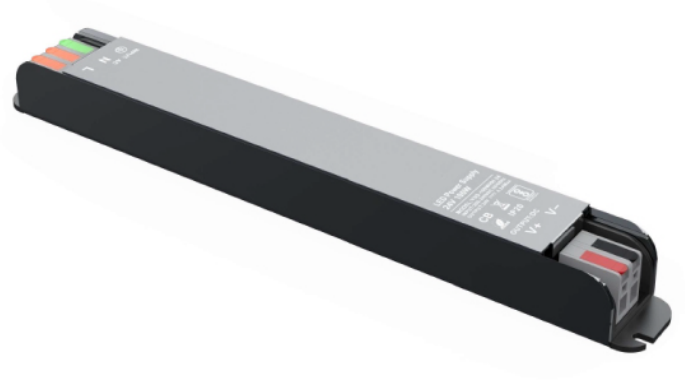
PRODUCT DATA SHEET

Category: Illumination Technical
Subcategory: Power Supply Unit

Led Switching Power Supply

100W | IP20



IP20

- Crimp type wiring, flexible installation;
- High power density, small size, high only 23mm,saving installation space;
- 100% full load burn-in test,
- Suitable for internal lights application for Ⅰ / Ⅱ / Ⅲ.
- Equipped with over temperature, over current protection, short circuit protection, UVP, OVP
- Widely used in LED lighting and IT equipment
- Compliance to worldwide safety regulation for led lightings.

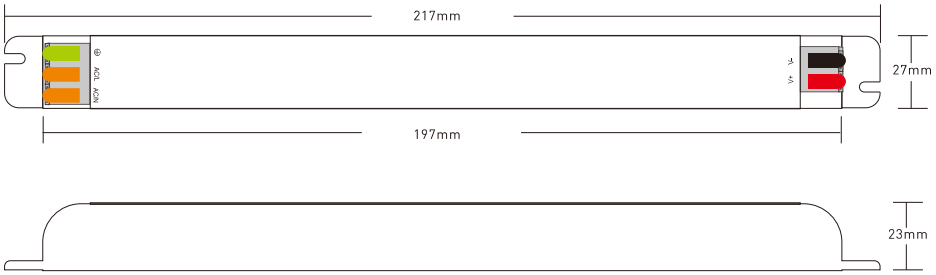


Specification

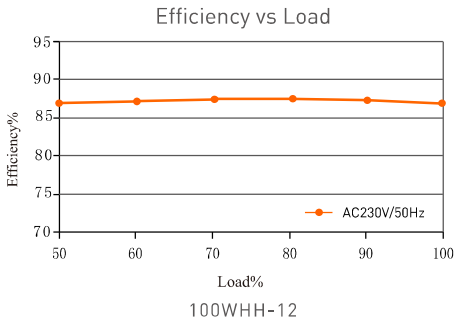
Model		100WHH-12	100WHH-24	100WHH-36	YSD-100WHH-48
OUTPUT	Output voltage	12VDC	24VDC	36VDC	48VDC
	Output voltage range	12VDC±0.5VDC	24VDC±0.5VDC	36VDC±0.5VDC	48VDC±0.5VDC
	Output current	Max 8.5A	Max 4.2A	Max 2.77A	Max 2.08A
	Output power	Max 100W			
	Output power range	0~100W			
	Linear Regulation	±1%			
	Load Regulation	±1%			
	Start-up Time (Typ)	600ms/230VAC			
	Hold Up Time(Typ)	12ms/230VAC			
INPUT	Input voltage	175-264Vac			
	Frequency	50Hz			
	Input current	0.88A/230Vac			
	Power factor	PF>0.55			
	No-load power consumption	< 0.5W			
	Efficiency (typ.)	87%	88%	89%	90%
	Inrush current(typ.)	Cold start 60A at 230Vac			
	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, non-condensing			
	Storage temp., humidity	-40°C ~ 80°C, 10~95%RH			
PROTECTION	Overtemperature	Protection type: Turn off the output voltage, after the temperature drops, re-energize to restore.			
	Over load protection	Shut down the output when current load ≥110%~150%, auto recovers.			
	Short circuit protection	Protection type: It can be automatically restored after the fault is eliminated.			

SAFETY & EMC	Withstand voltage	I/P-O/P:3000Vac
	Isolation resistance	I/P-O/P: 100MΩ/500VDC/25°C/70%RH
	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 230VAC input, rated load and 25°C ambient temperature. 2. Ensure that the power supply is used under the rated parameters and environment.	

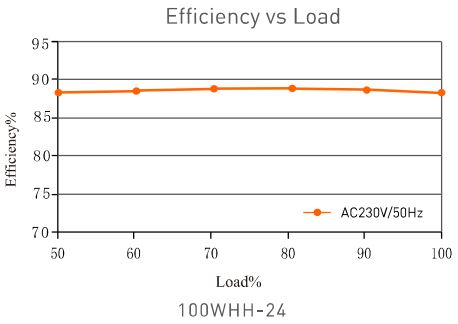
Technical Dimensions



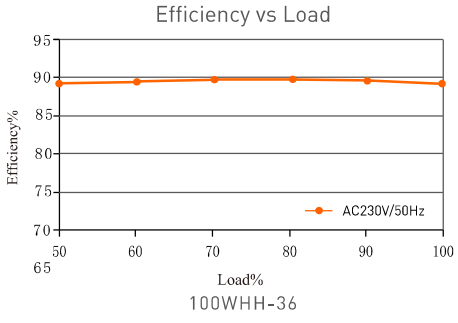
Relationship Diagrams



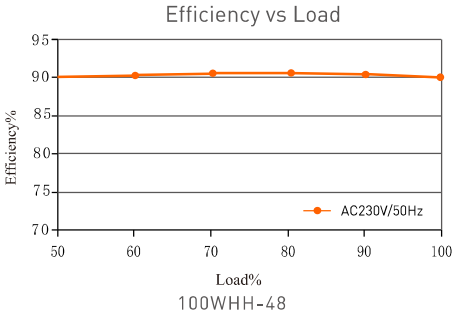
100WHH-12



100WHH-24



100WHH-36



100WHH-48

Packaging Information

DIMENSION	217x27x23mm(LxWxH)
PACKING	mm(LxWxH)
CARTON QUANTITY	PCS
CARTON SIZE	mm(LxWxH)
WEIGHT	190g±10g/PCS

