

LED Switching Power Supply(C&V)

- Protections: short circuit/over load/over voltage/over temperature
- Design for indoor installations
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- 100% full load burn-in test
- Widely used in LED lighting devices, dedicated to cabinet lighting
- Compliance to worldwide safety regulation for led lightings.

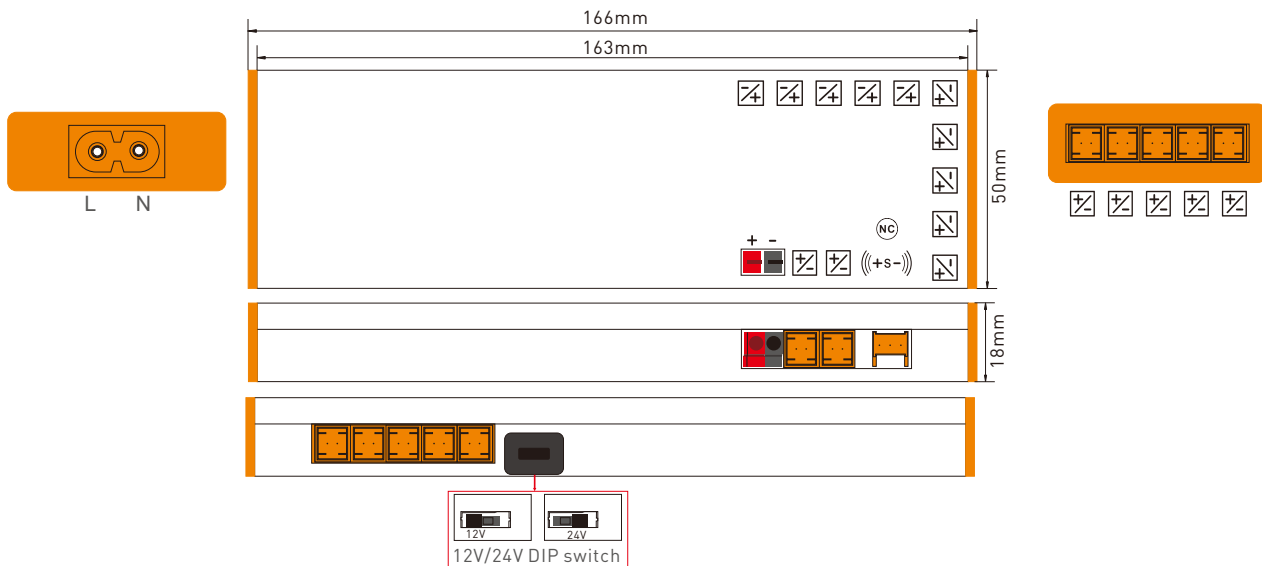


Specification

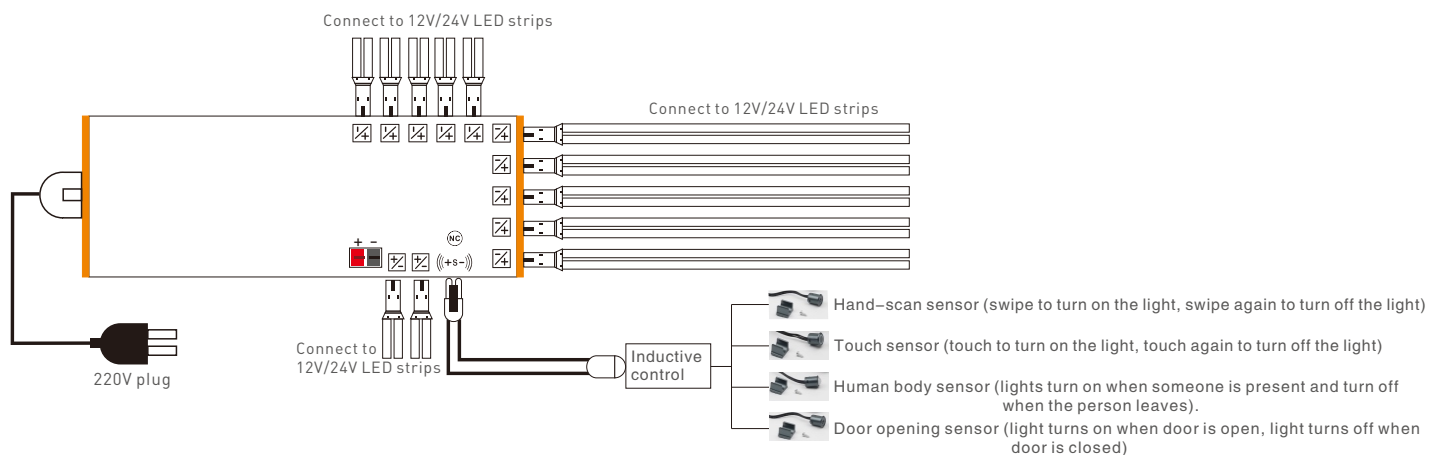
Model		60WHY-12&24	
OUTPUT	Output voltage	12VDC or 24VDC	
	Output voltage range	12VDC±3%	24VDC±2%
	Output current	Max 5A	Max 2.5A
	Output power	Max 60W	
	Output power range	0~60W	
	Ripple & Noise	±2%	
	Linear Regulation	±1%	
	Load Regulation	±1%	
	Start-up Time (Typ)	600ms/230VAC	
	Hold Up Time(Typ)	12ms/230VAC	
INPUT	Input voltage	200-240Vac	
	Frequency	50Hz	
	Input current	0.73A _{Max.}	
	Power factor	PF>0.55	
	No-load power consumption	< 0.5W	
	Efficiency (typ.)	87%	89%
	Inrush current(typ.)	Cold start 60A at 230Vac	
	Control surge capability	L,N:1KV	
	Leakage current	Max. 0.5mA	
ENVIRONMENT	Working temperature	ta: -30℃~ 45℃ tc: 90℃	
	Working humidity	20 ~ 99%RH, non- condensing	
	Storage temp., humidity	-40℃ ~ 80℃, 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.	
	Over voltage protection	Shut down the output when non-load voltage≥13.5-18V, re-power on to recover after fault condition is removed.	Shut down the output when non-load voltage≥27-35V, re-power on to recover after fault condition is removed.
SAFETY & EMC	Withstand voltage	I/P-O/P:2000Vac	
	Isolation resistance	I/P- O/P: 100MΩ/500VDC/25℃/70%RH	
	Safety standards	IEC/EN61347-1, IEC/EN61347-2-13	
	EMC emission	EN55015, EN61000-3-2 Class C, IEC61000-3-3	
	EMC immunity	EN61000-4-2,3,4,5,6,8,11 EN61547	
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℃ ±5℃	
	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℃ 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

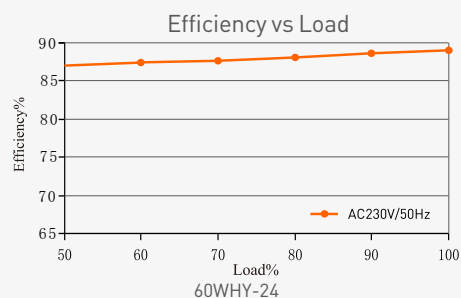
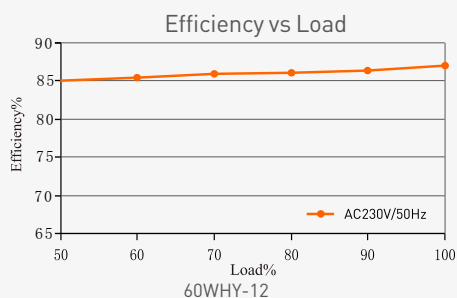
Unit:mm



Wiring diagram



Relationship diagrams



Packaging Information

DIMENSION	166x50x18mm(LxWxH)
PACKING	330x65x34mm(LxWxH)
WEIGHT	175g±10g/PCS

Temperature load curve

