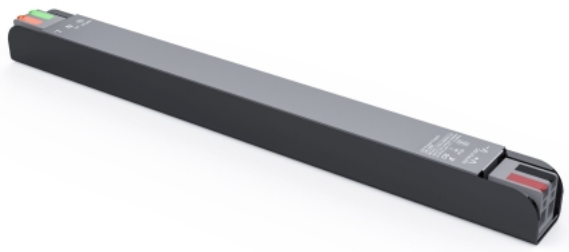
OMNILED

LED Switching Power Supply



- Crimp type wiring, flexible installation;
- High power density, small size, high only 18mm,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.

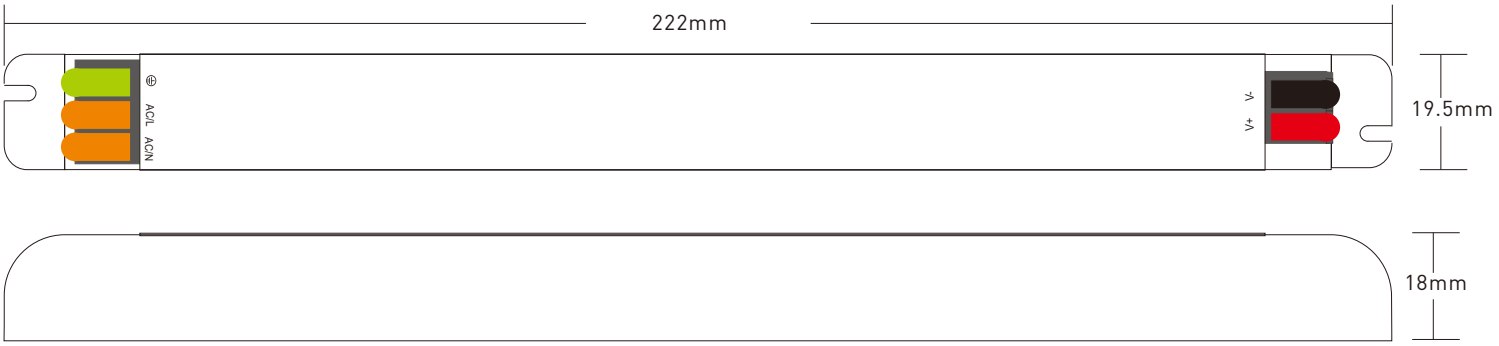
RoHS CE IP20

High Reliability | Over-heat Protection | Short Circuit Protection | Over Load Protection | Over voltage protection

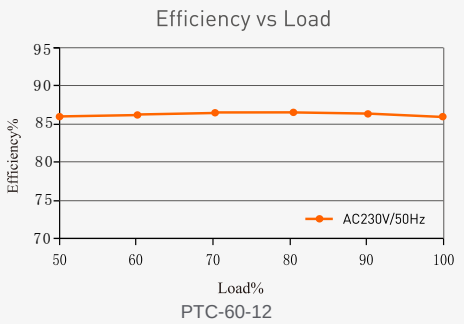
Specification

Model		PTC-60-12	PTC-60-24	PTC-60-36	PTC-60-48
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 1.66A	Max 1.25A
	Output power	Max 60W			
	Output power range	0~60W			
	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	0.52A/230Vac			
	Power factor	PF>0.55			
	No-load power consumption	< 0.5W			
	Efficiency (typ.)	86%	89%	90%	91%
	Inrush current(typ.)	Cold start 50A 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:2000Vac			
	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.				

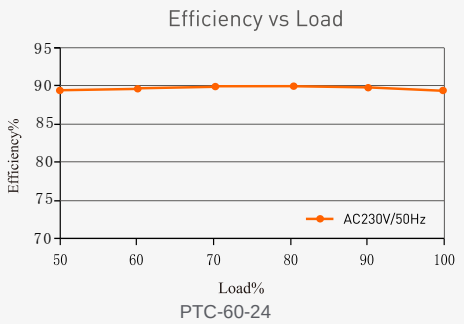
Dimensions
Unit:mm



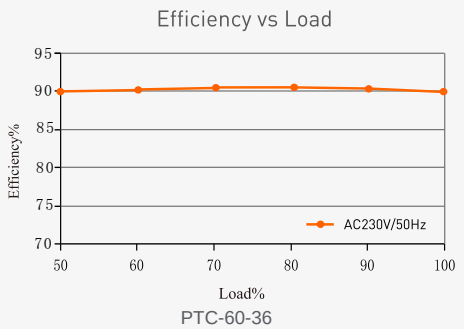
Relationship diagrams



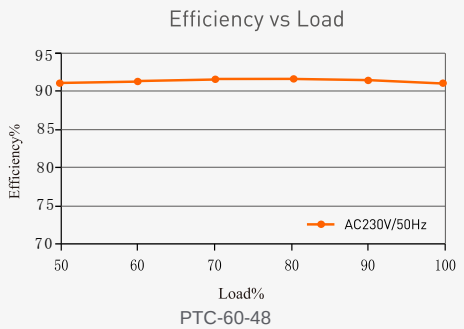
PTC-60-12



PTC-60-24



PTC-60-36

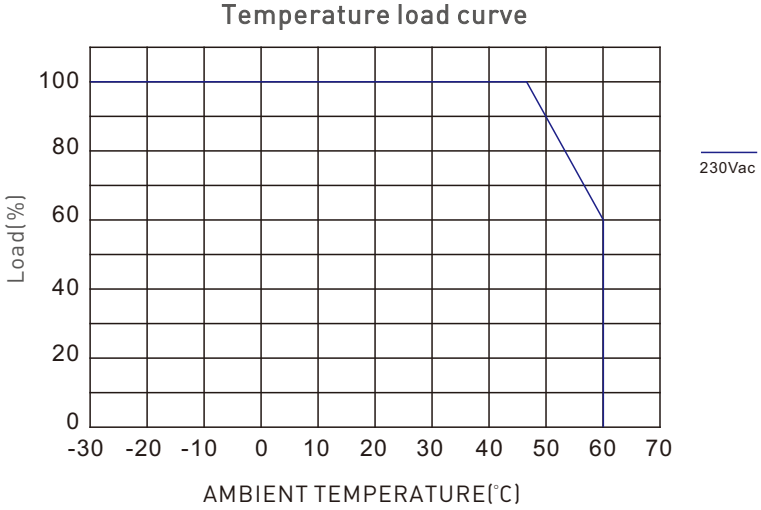


PTC-60-48

Packaging Information

DIMENSION	222x19.5x18mm(LxWxH)
PACKING	mm(LxWxH)
CARTON QUANTITY	PCS
CARTON SIZE	mm(LxWxH)
WEIGHT	86g±10g/PCS

Temperature load curve



✻ No further notice if any changes in the manual. Product function depends on the goods. Please feel free to contact your supplier if any question.