

LED Switching Power Supply

- Conversion efficiency: 93%;
- 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.



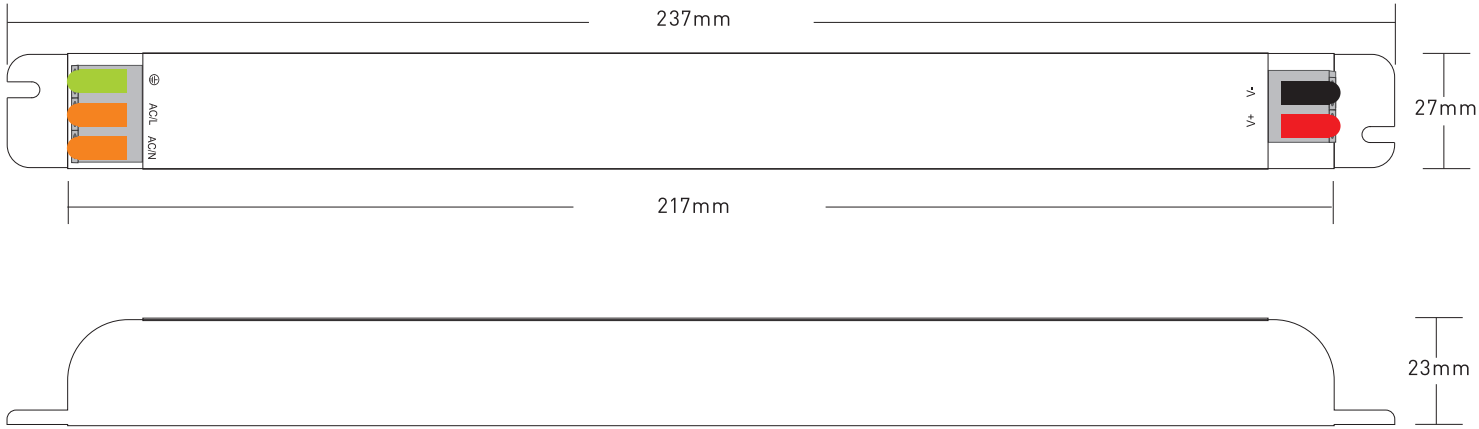
IP20



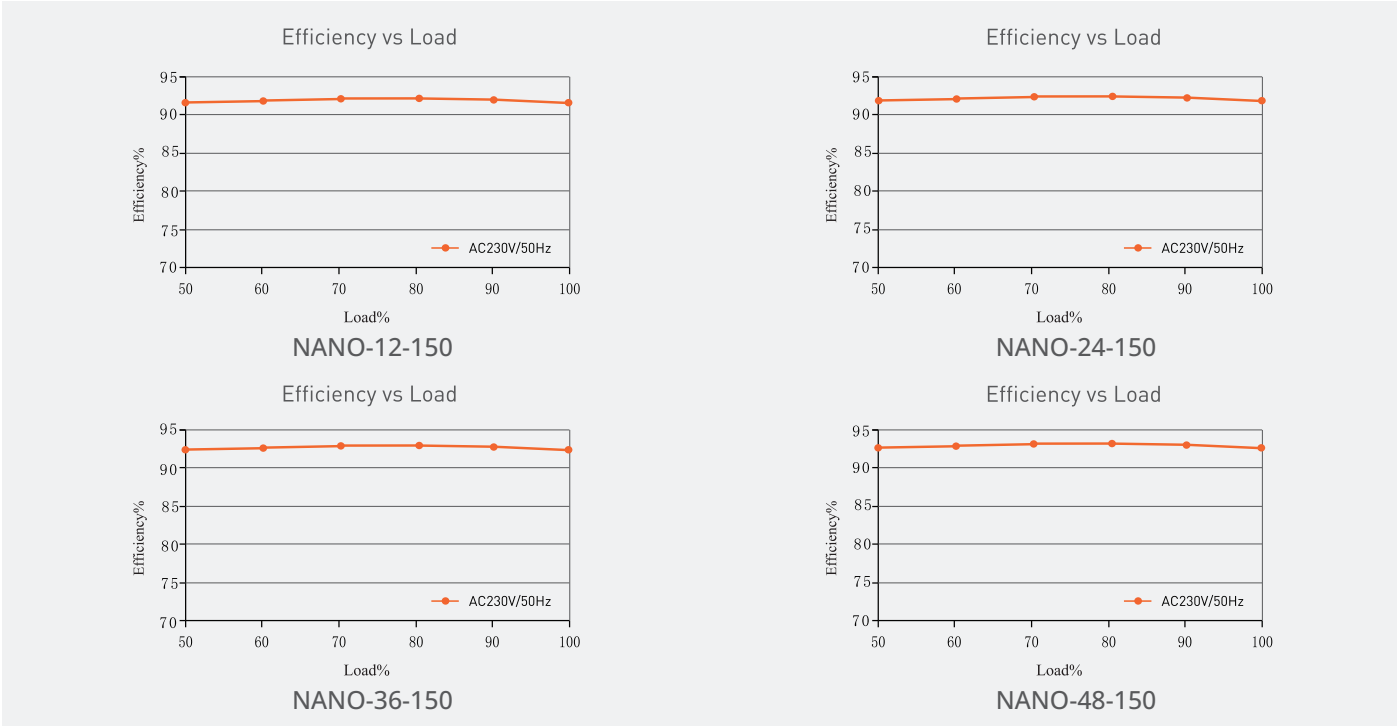
Specification

Model		NANO-12-150		NANO-24-150		NANO-36-150		NANO-48-150	
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 12.5A		Max 6.25A		Max 4.16A		Max3.12A	
	Output power	Max 150W							
	Output power range	0~150W							
	Linear Regulation	±1%							
	Load Regulation	±1%							
	Start-up Time (Typ)	500ms/230VAC							
	Hold Up Time(Typ)	12ms/230VAC							
INPUT	Input voltage	175-264Vac							
	Frequency	50Hz							
	Input current	1.2A/230Vac							
	Power factor	PF>0.55							
	No-load power consumption	< 0.5W							
	Efficiency (typ.)	92%		92%		93%		93%	
	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: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



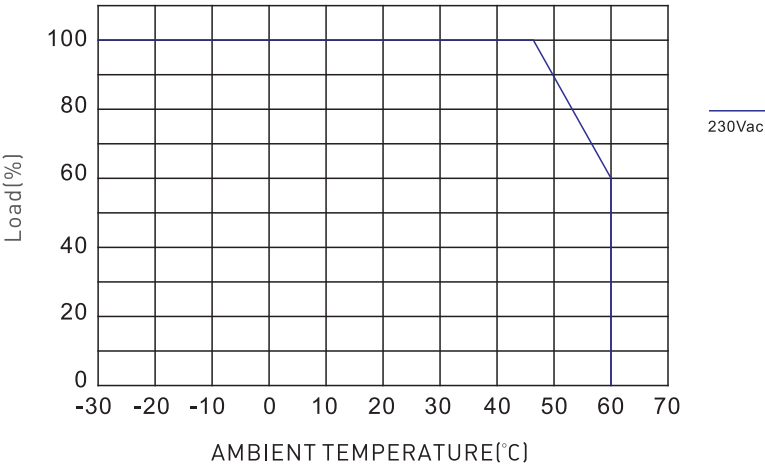
Relationship diagrams



Packaging Information

DIMENSION	237x27x23mm(LxWxH)
PACKING	mm(LxWxH)
CARTON QUANTITY	PCS
CARTON SIZE	mm(LxWxH)
WEIGHT	185g±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.