ORBELL
LIGHTS ON

LED Switching Power Supply

- Protections:short circuit/over load/over voltage/over temperature
- Soothing start, soft light and eye protection ， with four gears dimming mode
- Design for indoor installations
- Cooling by free air convection
- 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.

RoHS CE CB SELV IP20

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

Specification

Model		YSD-200WHC-12	YSD-200WHC-24	YSD-200WHC-36	YSD-200WHC-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 16.66A	Max 8.33A	Max 5.55A	Max 4.16A
	Output power	Max 200W			
	Output power range	0~200W			
	Ripple & Noise	≤150mV	≤200mV	≤250mV	≤300mV
	Linear Regulation	±1%			
	Load Regulation	±1%			
	Start-up Time (Typ)	500ms/230VAC 800ms/115VAC			
	Hold Up Time (Typ)	12ms/230VAC 10ms/115VAC			
INPUT	Input voltage	200-240Vac or 110-130Vac			
	Frequency	50/60Hz			
	Input current	1.76A/230Vac or 3.3A/115Vac			
	Powerfactor	PF>0.55			
	No-load power consumption	< 0.5W			
	Efficiency (typ.)	90%	91%	92%	93%
	Inrushcurrent(typ.)	Cold start 65A 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			
	Safety standards	IEC/EN61347;IEC/EN60950;IP20			
	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. 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.				

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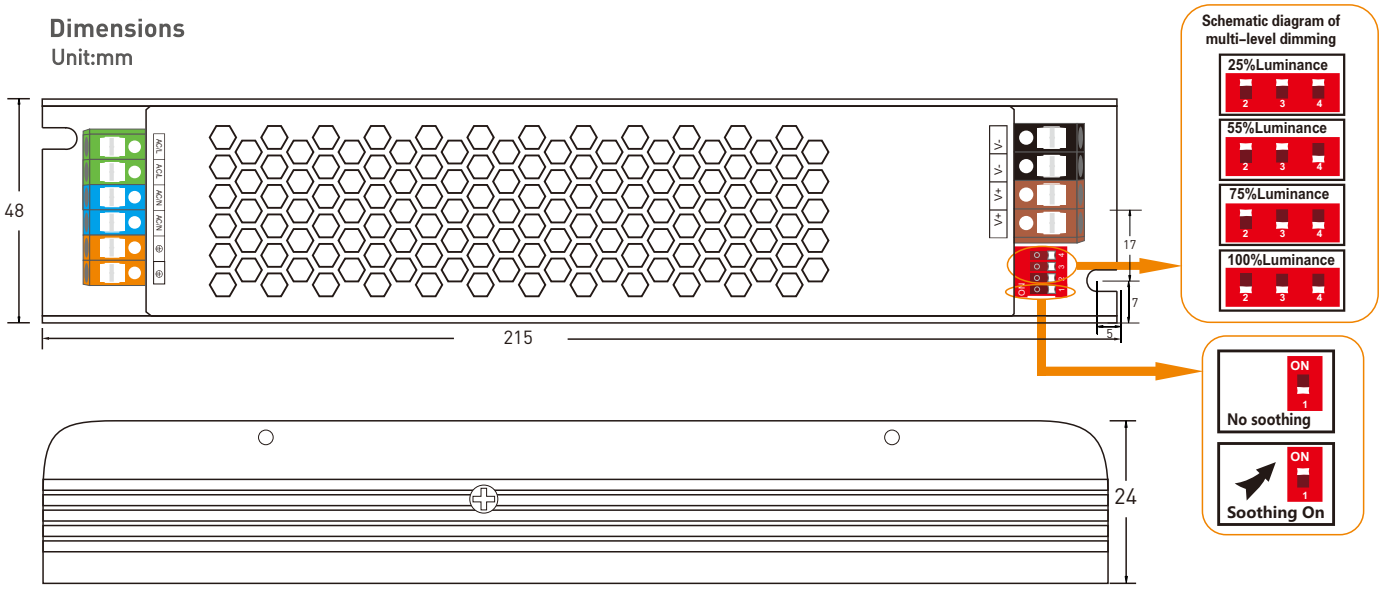
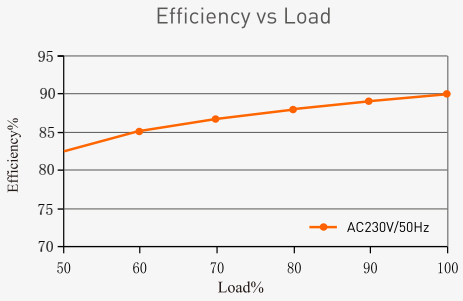
Dimensions

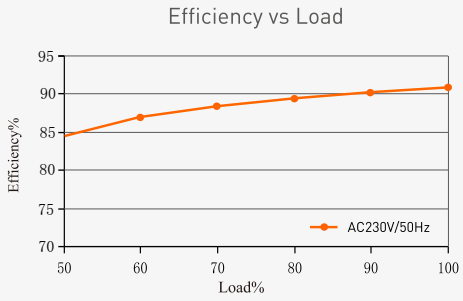
Unit:mm



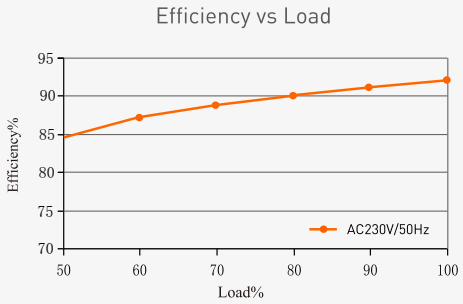
Relationship diagrams



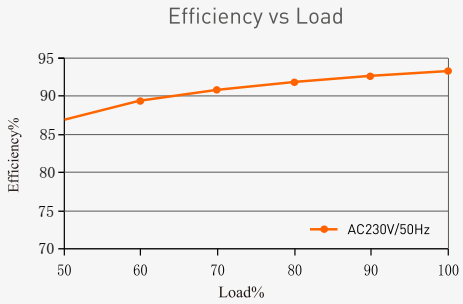
YSD-200WHC-12



YSD-200WHC-24



YSD-200WHC-36

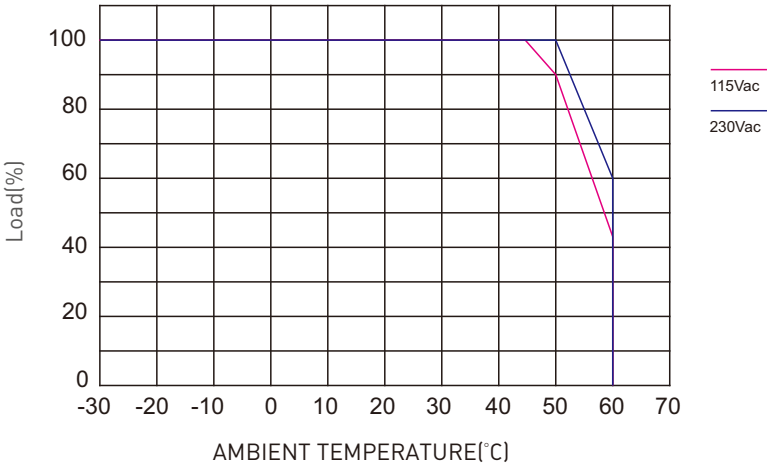


YSD-200WHC-48

Packaging Information

DIMENSION	215x48x24mm(LxWxH)
PACKING	218x51x25mm(LxWxH)
CARTON QUANTITY	45PCS
CARTON SIZE	415x227x172mm(LxWxH)
WEIGHT	360g±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.