



SHOP SMART. SHOP VALUE

SHOP *differently*



YSD

YSD 100W Driver for Strip Light

- Universal AC input/full range(100-264VAC)
- Built in active PFC function
- Efficiency up to 90%, super thin and small size.
- Protections:short circuit/over load/over voltage/over temperature
- Can withstand 300VAC surge input for 5S
- 150% peak load capacity (100ms)
- Fanless design,Cooling by free air, high reliability
- 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.



100-264VAC

PF>0.95



CE

CB

SELV

IP20



Specification

Model		CS-YSD-100WUC-12	
OUTPUT	Output voltage	24VDC	
	Output voltage range	24VDC±0.6VDC	
	Output current	Max 4.2A	
	Output power	Max 100W	
	Output power range	0~100W	
	Ripple & Noise	≤500mV	
	Linear Regulation	±0.5%	
	Load Regulation	±0.5%	
	Start-up Time (Typ)	320ms/230VAC	500ms/115VAC
	Rise Time(Typ)	11ms/230VAC	11ms/115VAC
	Hold Up Time(Typ)	10ms/230VAC	10ms/115VAC
INPUT	Input voltage	100-264Vac	
	Frequency	50/60Hz	
	Input current	1.15~0.46A	
	Power factor	PF>0.95/230Vac, at full load	PF>0.98/115Vac, at full load
	No-load power consumption	< 0.5W	
	THD	≤25% at 230Vac,at full load	
	Efficiency (typ.)	91%	
	Inrush current[typ.]	Cold start: 60A/230V	
	Control surge capability	L,N-PE:4KV	
	Leakage current	Max. 0.5mA	
ENVIRONMENT	Working temperature	ta: -30°C ~ 50°C tc: 80°C	
	Working humidity	20 ~ 99%RH, condensing(Waterproof)	
	Storage temp., humidity	-40°C ~ 80°C, 10~95%RH	
	Vibration	10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes.	
PROTECTION	Overtemperature	Protection type: Turn off the output voltage, after the temperature drops, re-energize to restore.	
	Over voltage protection	Output voltage ≥ 14-18V, turn off the output, after the abnormality is eliminated, re-energize to recover.	
	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: 3750Vac	
	Isolation resistance	I/P-O/P: 100MΩ/500VDC/25°C/70%RH	
	Safety standards	IEC/EN61347; IEC/EN60950; IP67	
	EMC emission	EN55015:2013; EN61547:2009; EN61000-3-2:2014; EN61000-3-3:2013	
	EMC immunity	EN61000-4-2,3,4,5,6,8,11 EN61547	
NOTE	1. All parameters not specifically mentioned are measured at 230VAC input, rated load and 25° C ambient temperature. 2. Use 12 twisted-pair wires terminated with 0.1uF and 47uF parallel capacitors to measure ripple and noise under a 20MHz bandwidth. 3. Tolerance: including setting tolerance, wire gauge and wire gauge. 4. Ensure that the power supply is used under the rated parameters and environment		



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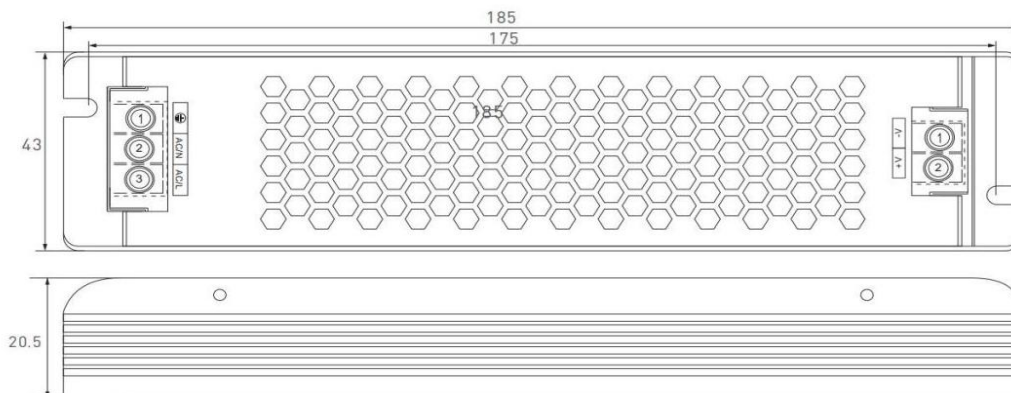
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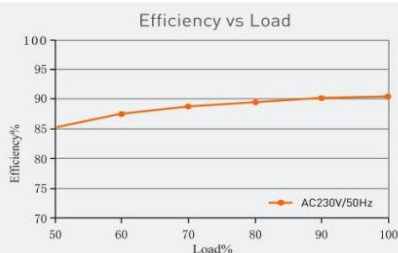


YSD

Dimensions
Unit:mm



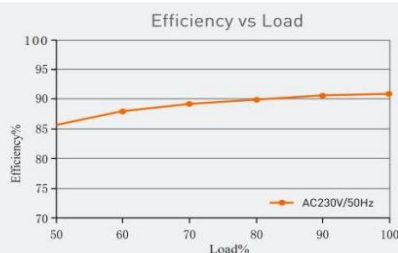
Relationship diagrams



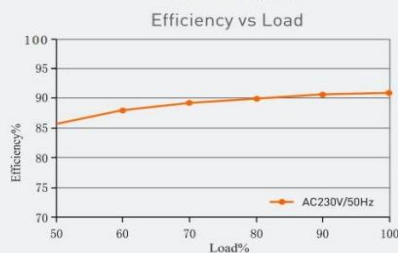
YSD-100WUC-12



YSD-100WUC-36



YSD-100WUC-24

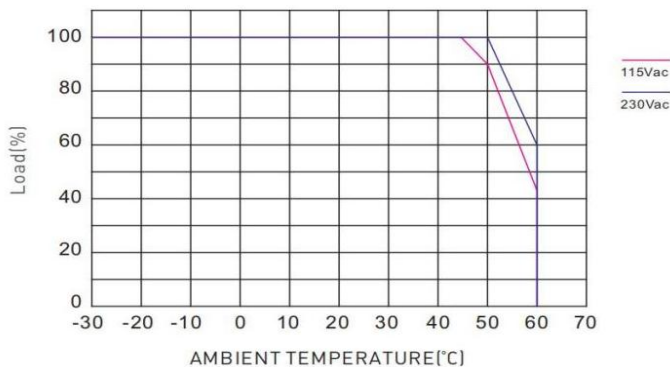


YSD-100WUC-48

Packaging Information

DIMENSION	185x43x20.5mm[LxWxH]
PACKING	
CARTON QUANTITY	
CARTON SIZE	
WEIGHT	260g±10g/PCS

Temperature load curve



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