

DY-200W-12/24/48-A

LED Switch Power Supply Sepecification



- Design for indoor installation
- Protections: Short circuit/Overload/Over temperature
- Product cooling way: Natural air cooling
- 100% full load burn-in test
- Suitable for LED lighting
- Mute without interference
- 3 years warranty

SPECIFICATION

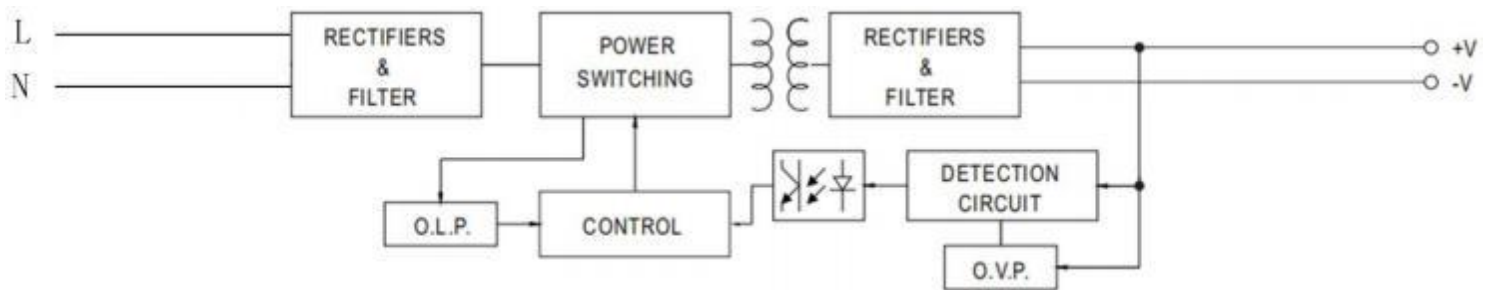
Model		DY-200W-12-A	DY-200W-24-A	DY-200W-48-A
OUTPUT	DC voltage	12V±2%	24V±2%	48V± 1%
	Rated current	16A	8A	4A
	Current range	0-16A	0-8A	0-4A
	DC output power	200W	200W	200W
	Ripple & Noise (max) note.2	700mVp-p	700mVp-p	700mVp-p
	Load stability	± 5%	± 5%	± 5%
	Voltage tolerance note.3	± 1%	± 1%	± 1%
	Setup, Rise time note.4	/	/	/
	Hold up time(Typ.)	/	/	/
INPUT	Voltage range	180-265VAC	180-265VAC	180-265VAC
	Frequency range	50-60Hz	50-60Hz	50-60Hz
	AC current(Typ.)	1.7A/180VAC 1.6A/220VAC	1.6A/180VAC 1.5A/220VAC	1.6A/180VAC 1.5A/220VAC
	Inrush current	Cold start ≤ 100A	Cold start ≤ 100A	Cold start ≤ 100A
	Incoming line stability	± 1%	± 1%	± 1%
	Power factor(Typ.)	PF≥0.5	PF≥0.5	PF≥0.5
	Efficiency (Typ.)	≥88.5%	≥92%	≥92%
	Leakage current	≤ 5mA/260VAC	≤ 5mA/260VAC	≤ 5mA/260VAC



PROTECTION	Short circuit	The power supply can resume normal operation when the short circuit is removed during power supply.
	Overload	105%-150% rated output power
		Protection type:Hiccup mode,recovers automatically after fault condition is removed
	Over current	After the over current fault is removed, the power supply will automatically resume normal operation.
Over temperature	Ambient Temperature 70°C ± 10%	
	Protection mode; the product is hiccup state, protect the product from damage, when the fault is ruled out, the power supply is normal	
ENVIRONMEN	Working temp.	-10°C ~ +55°C(Refer to "derating curve")
	Working humidity	20% ~90%RH non-condensing
	Storage temp., humidity	-40°C ~ +85°C, 10% ~95%RH
	Temp. coefficient	±0.03%/°C(0-5°C)
	Vibration	10-500Hz, 2G 10min. / 1 cycle, 60 min. each axes
SAFETY& EMC	Aging test	Input voltage : 220V 50HZ Rated output current 25°C , Burn-in 2h
	Withstand voltage	Input and output: 1.5KVAC 5mA 3s input and shell; 1.5KVAC 5mA 3s
	Isolating resistance	Between input and output, input and shell: 500VDC / 100MΩ
	EMC emission	/
	EMC immunity	/
	Safety standards	/
NOTE	All parameters NOT specially mentioned are measured at 230VAC input,rated load and 25°C of ambient temperature.	
	Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &47uf parallel capacitor.	
	Tolerance: includes set up tolerance. Line regulation and load regulation.	
	Length of set up time is measured at first cold start .Turning ON/OFF the power supply may lead to increase of the set up time.	

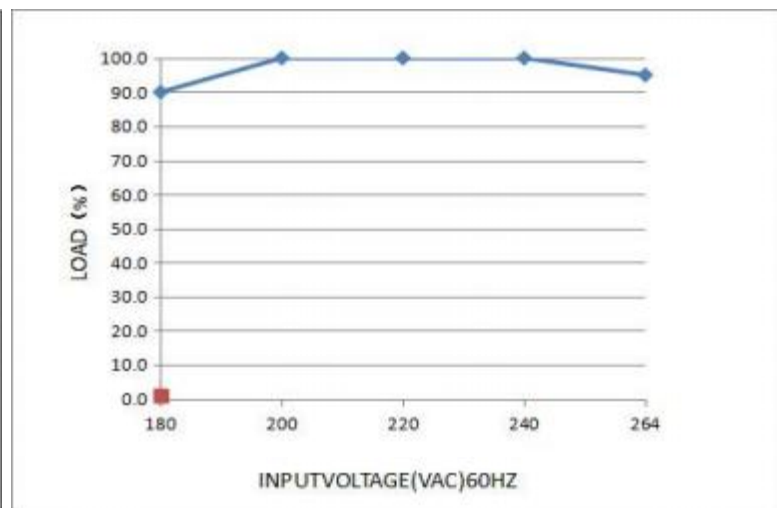
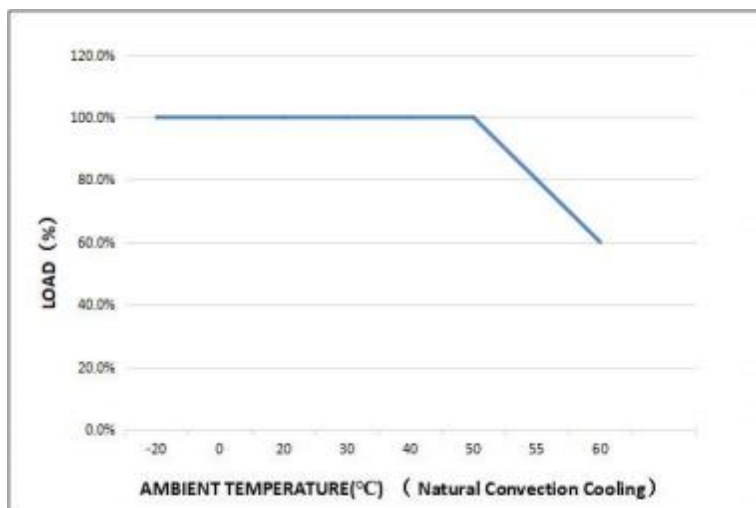


Block Diagram



Output Derating

Output Derating VS Input Voltage



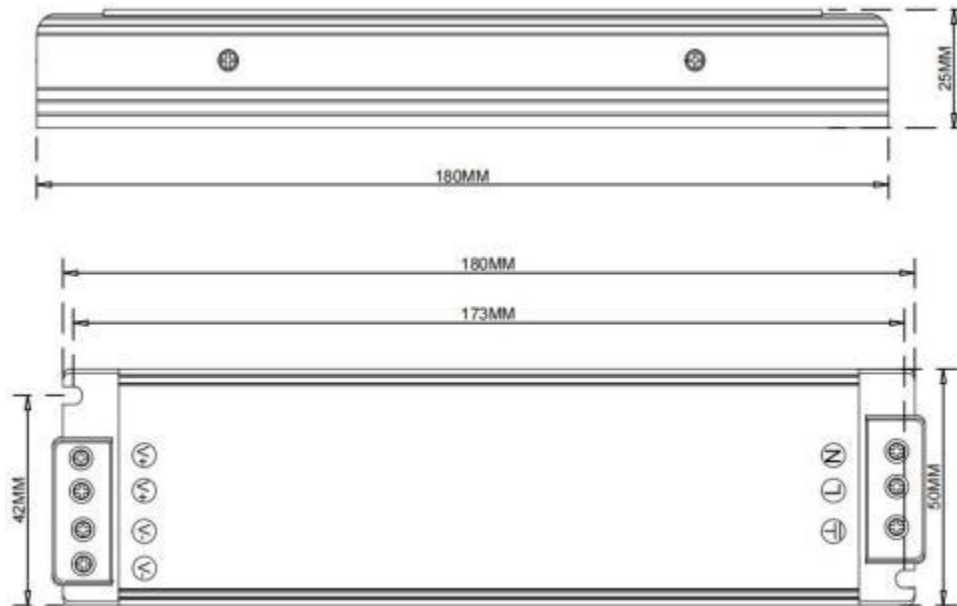


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Mechanical Specification



Others

Dimension	180X42X25(mm)
Carton quantity	60pcs/Carton
Carton size	38*27.5*18(cm)
Weight	217g/pcs