

DY-48W-12-C /DY-48W-24-C

Long Slim constant Voltage Power supply



Features



- AC input range 100 ~ 264V AC
- Can withstand 300VAC surge input for 5 seconds
- Circuit board components are more adaptable
- 100% full load burn-in test
- Protection type: short circuit/overload/overvoltage
- Aluminum alloy shell, natural air cooling
- 3 years warranty

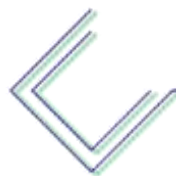


(except for 12V)



SPECIFICATION

Model		DY-48W-12-C	DY-48W-24-C
OUTPUT	DC voltage	12V±5%	24V±5%
	Rated current	4A	2A
	Current range	0-4A	0-2A
	DC output power	48W	48W
	Ripple & Noise (max) note.2	<120mV	<200mV
	Load stability	±1%	±1%
	Voltage tolerance note.3	±1%	±1%
	Setup, Rise time note.4	<3	<3
	Hold up time(Typ.)	>20ms	>20ms
INPUT	Voltage range	100-264V AC	
	Frequency range	50-60Hz	
	Inrush current	50A	
	Leakage current	<5mA/240VAC	
	Incoming line stability	±0.5%	
	Efficiency (Typ.)	≥89%	≥89%

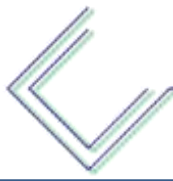


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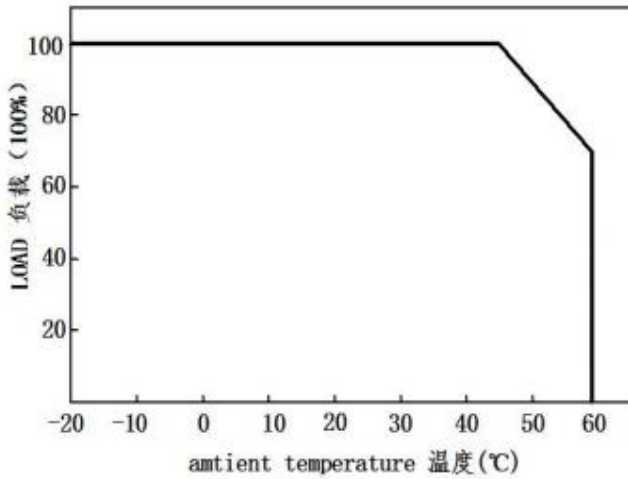
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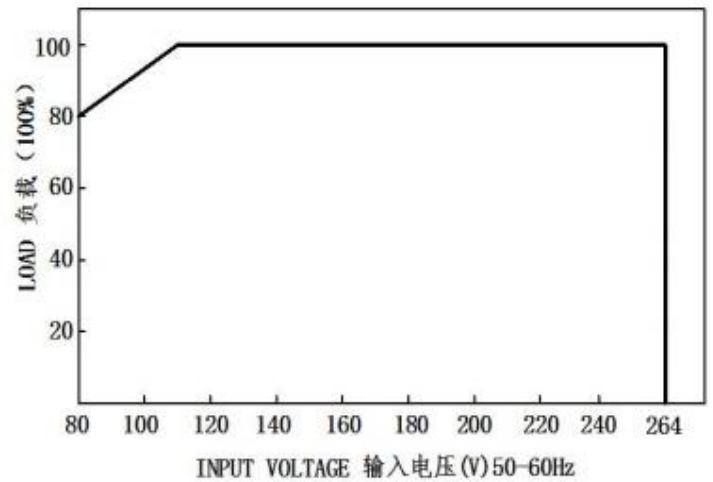
PROTECTION	Overvoltage	13.8~16.2V	27.6- 32.4V
		Protection mode: hiccup mode, it can be automatically restored after the abnormal condition is removed	
	Overload	110%~140% of rated output power 130%~180% of rated output power 120%-160% of rated output power	
		Protection mode: hiccup mode, it can be automatically restored after the abnormal load condition is removed	
over temperature	Shut down the output voltage, it can be restored automatically after the temperature drops		
ENVIRONMEN	Working temp.	-30 ~ +60°C (Please refer to "Derating Curve")	
	Working humidity	20 - 90% RH, non-condensing	
	Storage temp., humidity	-30~+85°C,10~95% RH	
	Temp. coefficient	±0.05%/°C (0~50°C)	
	Vibration	10-500H B3G10 minutes/cycle, X, Y, Z axis each 60 minutes	
SAFETY&EMC	safety regulations	UL60950-1,GB4943.1-2011	
	Withstand voltage	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC	
	Isolating resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC/25°C/70% RH	
	EMC launch	Design reference EN55022 (CISPR22) class A, EAC TPTC020	
	EMC immunity	Design reference EN61000-4-5, Class A light industry standard, EAC TPTC 020	



Output Derating



Output Derating VS Input Voltage



Others

Dimension	312x18x18mm
Carton quantity	200pcs/Carton
Carton size	48.5x39x22.5cm
Net Weight	0.07kg/pcs
Total Weight	14.8kg