



ENGLISH

Datasheet

100W Enclosed Power Supply Range



Features:

- No Load Power Consumption <0.5W
- Small Compact Design
- Cooling by free air convection
- High efficiency, long life and high reliability
- 3 Year Warranty
- Universal Input
- Withstand 5G Vibration Test
- UL & CE Approved

The 100W enclosed power supply range has been specially designed to offer high efficiency, long life and high reliability for use in a variety of applications. This range comprises of 5 models with outputs of either 12v, 15v, 24v, 36v or 48v. Each model is RoHS, CE, UL approved and come with a three year warranty.





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SPECIFICATION					
RS Stock Code	161-8291	161-8293	161-8294	161-8295	161-8296
DC Voltage	12V	15V	24V	36V	48V
Rated current	8.5A	7A	4.5A	2.8A	2.3A
Current Range	0~8.5A	0~7A	0~4.5A	0~2.8A	0~2.3A
Rated Power	102W	105W	108W	101W	110W
Ripple & Noise	150mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p
Voltage regulation range	±10.0%				
Voltage Accuracy	≤ 1%				
Line adjustment	≤ 1%				
Load adjustment rate	≤ 1%				
No Load Power Consumption	<0.3W				
Rise	500ms, 30ms/230VAC 100% Load				
Hold up time	30ms/ 100% Rated Load				
Voltage Range	100~240VAC				
Frequency	47~63Hz				
Input Current	MAX 2.8/115 Vac 1.6A/230VAC				
Efficiency	86%	88%	88%	90.5%	91%
Alternating Current	1.9A/115VAC 1.2A/230Vac				
Inrush current	50A/230VAC				
Leakage Current	<0.75mA/240VAC				
Overload	120 ~ 140% of rated output, auto-recovery				
Short circuit	Hiccup Mode, auto-recovery				
Working temp	-30°C ~ +70°C (See derating curve)				
Working humidity	20 ~ 95%RH (Non condensing)				
Storage temp	-40°C ~ +85°C				
Storage humidity	10 ~ 95%RH (Non condensing)				
Temp coefficient	±0.03%/°C (0~50°C)				
Vibration resistance	10~500Hz, 5G, 10min/cycle, X, Y, Z 60min in each direction				
Safety Standard	CE, UL60950-1, EN60950-1				
Withstand Voltage	I/P-O/P:3.0KV AC, I/P-FG:2.0KV AC,O/P-FG:0.5KV AC				
Isolation Resistance	I/P-O/P,I/P-FG,O/P-FG:100MΩ/500VDC				
EMC	EN55022 CLASS B				
Lifetime	380,000 hours(25°C)				
Size	129×97×30 (L*W*H)				
Weight	0.34Kg/pc 54pcs/carton				