



ENGLISH

Datasheet

# 50W Enclosed Power Supply Range



## Features:

- No Load Power Consumption <math><0.5\text{W}</math>
- 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 50W 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 6 models with outputs of either 5v, 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	161-8278	161-8279	161-8280	161-8281	161-8282	161-8283
DC Voltage	5V	12V	15V	24V	36V	48V
Rated current	10A	4.2A	3.4A	2.2A	1.45A	1.1A
Current Range	0~10A	0~4.2A	0~3.4A	0~2.2A	0~1.45A	0~1.1A
Rated Power	50W	50.4W	51W	52.8W	52.2W	52.8W
Ripple & Noise	80mVp-p	120mVp-p	150mVp-p	150mVp-p	200mVp-p	200mVp-p
Voltage regulation range	±10.0%					
Voltage Accuracy	≤ 1%					
Line adjustment	≤ 1%					
Load adjustment rate	≤ 1%					
No Load Power Consumption	<0.2W					
Rise	1000ms, 30ms/230VAC 100% Load					
Hold uptime	30ms/ 100% Rated Load					
Voltage Range	100~240VAC					
Frequency	47~63Hz					
Input Current	MAX 2.8/115 Vac 1.6A/230VAC					
Efficiency	83%	85%	85%	88%	89%	90%
Alternating Current	0.95A/115VAC 0.56A/230Vac					
Inrush current	45A/230VAC					
Leakage Current	<3.5mA/240VAC					
Overload	100 ~ 150% of rated output, auto-recovery					
Short circuit	Hiccup Mode, auto-recovery					
Working temp	-30°C ~ +50°C (See derating curve)					
Working humidity	20 ~ 95%RH (Non condensing)					
Storage temp	-40°C ~ +85°C					
Storage humidity	10 ~ 90%RH (Non condensing)					
Temp coefficient	±0.03%/°C (0~50°C)					
Vibration resistance	10~500Hz, 2G, 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:100MQ/500VDC					
EMC	EN55022 CLASS B					
Lifetime	100,000 hours(25°C)					
Size	99×82×30 (L*W*H)					
Weight	0.23Kg/pc 66pcs/carton					