100W AC-DC Enclosed Power Supplies

multicompPRO

Features

- Small Compact Design
- Cooling by free air convection
- Universal Input
- Withstand 5G Vibration Test
- UL & CE Approved

Description

This 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.

Specifications

Part Number	MP002000	MP001999
DC Voltage	12V	24V
Rated Current	8.5A	4.5A
Current Range	0A to 8.5A	0A to 4.5A
Rated Power	102W	108W
Ripple & Noise	150mVp-p	200mVp-p
Voltage Regulation Range	±10%	±10%
Voltage Accuracy	≤1%	≤1%
Line Adjustment	≤1%	≤1%
Load Adjustment Rate	≤1%	≤1%
No Load Power Consumption	<0.3W	<0.3W
Rise	500ms, 30ms / 230V AC 100% Load	500ms, 30ms / 230V AC 100% Load
Hold Uptime	30ms/ 100% Rated Load	30ms/ 100% Rated Load
Input Voltage Range	100V AC to 240V AC	100V AC to 240V AC
Frequency	47Hz to 63Hz	47Hz to 63Hz
Input Current	MAX 2.8 / 115V AC 1.6A / 230V AC	MAX 2.8/115 V AC 1.6A / 230V AC
Efficiency	86%	88%
Alternating Current	1.9A / 115V AC 1.2A / 230V AC	1.9A / 115V AC1.2A / 230V AC
Inrush Current	50A / 230V AC	50A / 230V AC
Leakage Current	<0.75mA / 240V AC	<0.75mA / 240V AC
Overload	120% to 140% of rated output, auto-recovery	120% to 140% of ated output, auto-recovery
Short Circuit	Hiccup Mode, auto-recovery	Hiccup Mode, auto-recovery
Working Temp	-30°C to +70°C (See derating curve)	-30°C to +70°C (See derating curve)
Working Humidity	20% RH to 95%RH (Noncondensing)	20%RH to 95%RH (Noncondensing)
Storage Temp	-40°C to +85°C	-40°C to +85°C

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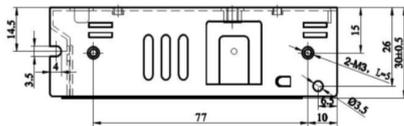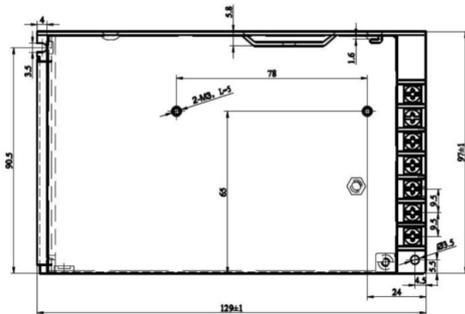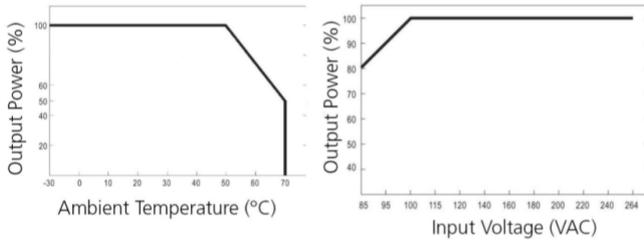Farnell.com/multicomp-pro
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Storage Humidity	10% to 95%RH (Noncondensing)	10%RH to 95%RH (Noncondensing)
Temp Coefficient	±0.03% / °C (0°C to 50°C)	±0.03% / °C (0°C to 50°C)
Vibration Resistance	10Hz to 500Hz, 5G, 10min / Cycle, X, Y, Z 60min in each direction	10Hz to 500Hz, 5G, 10min / cycle, X, Y, Z 60min in each direction
Safety Standard	CE, UL60950-1, EN60950-1	CE, UL60950-1, EN60950-1
Withstand Voltage	I/P-O/P: 3kV AC, I/P-FG: 2kV AC, O/P-FG: 0.5kV AC	I/P-O/P: 3kV AC, I/P-FG :2kV AC, O/P-FG :0.5kV AC
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100MΩ / 500V DC	I/P-O/P, I/P-FG, O/P-FG :100MΩ / 500V DC
EMC	EN55022 Class B	EN55022 Class B
Lifetime	380,000 hours (25°C)	380,000 hours (25°C)
Size	129mm × 97mm × 30mm (L × W × H)	129mm × 97mm × 30mm (L × W × H)
Weight	0.34Kg / pc 54 pcs / carton	0.34Kg / pc 54 pcs / carton

Diagram

Dimensions : Millimetres

Part Number Table

Description	Part Number
Enclosed Power Supply, 100W, 12V DC, 8.5A	MP002000
Enclosed Power Supply, 100W, 24V DC, 4.5A	MP001999

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