



## *Model PSD100* DIN Rail Mount Switching Power Supply

Model PSD100 is a low-cost, DIN mountable switching power supplies with 12 VDC @ 600 mA output. A single unit can be used to power multiple DIN-mounted products at one time. Note that the current draw on each product varies, which will vary the number of units that can be powered from a single power supply.

### Features

- Universal AC input (100 to 240 VAC)
- DC compatible input (110 to 340 VDC)
- Unique spring-up, IP20 finger safe terminals (ideal for ring lug terminated wire)
- DIN rail (35mm) or panel mount
- Fused input, auto-resetting output over current protection
- Worldwide approvals: UL (UL508), c-UL, TUV, and CE (both LVD and EMC)

### Specifications

Input Voltage (single-phase, 2-wire):	100 - 240 VAC (110 - 340 VDC); U.S. 3-prong power cord included
Input Current:	0.17 A at 100 VAC (0.11 A at 200 VAC)
Internal Fuse Rating:	2 A
Inrush Current:	50 A max. (at cold start at 200 VAC)
Leakage Current (at no load):	75 mA max. (60Hz, measured in conformance with UL, CSA, VDE)
Typical Efficiency:	73%
Over Voltage Protection:	Outputs turn off at 105% (typical)
Output Voltage:	12 VDC
Output Current:	0.6 A
Output Voltage Adjustments:	±10% (V.ADJ screw on top)
Output Power:	7.5 W
Output Holding Time:	20 ms min. (at full rated input and output)
Rise Time:	200 ms max. (at full rated input and output)
Fluctuation due to input voltage change:	0.4% max.
Fluctuation due to load change:	1.5% max.
Fluctuation due to ambient temp. change:	0.05% max.
Ripple Voltage:	2% peak to peak max. (including noise)
Overload Protection:	120% typical (Zener-limiting)
Dielectric Strength:	Between input and output terminals: 3000 VAC, 1 minute Between input terminals and housing: 2000 VAC, 1 minute Between output terminal and housing: 500 VAC, 1 minute
Operating Temperature:	-10 to 60°C (14 to 140°F)
Storage Temperature:	-30 to 85°C (-22 to 185°F)
Operating Humidity:	20 to 90% relative humidity (no condensation)
Vibration Resistance:	45 m/s <sup>2</sup> , 10 to 55 Hz, 2 hours on each of 3 axes
Shock Resistance:	294 m/s <sup>2</sup> , 3 shocks in each of 6 directions
Dimensions:	2.8 x 1.8 x 3.0 in (7.0 x 4.5 x 7.5 cm)
Termination:	Spring-up, finger-safe terminals with captive M3.5 screws
Approvals:	UL (UL508), c-UL, TUV, and CE (both LVD and EMC)