

96PSR-D500WMIN

ATX Power Supply



Features

- Support DC 110V/220V Power Source Application With Safety Certification
- High Efficiency 80PLUS Bronze Label
- With Japanese Capacitors For Longer Product
- Wide Range Working Temperature, Full Load under 50°C
- 3 Years Worldwide Warranty
- Product Certified by Safeties and Compatible Test with Systems

Specifications

Input	Items	96PSR-D500WMIN							
	Input Voltage	110 / 220 Vdc (88 ~ 253Vdc)							
	Input Frequency	N/A							
	Input Current	< 7A @ 110 Vdc < 3.5A @ 220Vdc							
	Efficiency (typical)	84%@ 100% Load							
	80 Plus Certified	Bronze							
	Max. Inrush Current	40A @ 110Vdc in, 80A @ 220Vdc in without damage							
	Hold-up Time	16 mSec.							
	Leakage Current	< 2.5 mA-rms @ 264 V _{AC} , 63 Hz							
Output	Output Voltage	+3.3V	+5V	+12V1	+12V2	+12V3	-5V	-12V	+5VSB
	Output Current (Max.)	20	20	16	16	16	0.3	0.5	3
	Output Current (Min.)	0	0	0.5	0.5	0.5	0	0	0
	Max. Power	500 Watts							
	Total Power	500 Watts							
	Accuracy (%)	±5%	±5%	±5%	±5%	±5%	±10%	±10%	±5%
	Max. Ripple & Noise (mVp-p)	50 mV	50 mV	120 mV	120 mV	120 mV	100 mV	120 mV	50 mV
Load Regulation	±5%	±5%	±5%	±5%	±5%	±10%	±10%	±5%	
Protection	OVP (Over Voltage Protection)	3.7 ~ 4.3V	5.7 ~ 7.0V	13.4 ~ 15.6V	13.4 ~ 15.6V	13.4 ~ 15.6V	N/A	N/A	N/A
	OCP (Over Current Protection)	24 ~ 36A	24 ~ 36A	18 ~ 24A	18 ~ 24A	18 ~ 24A	N/A	N/A	N/A
	SCP (Short Circuit Protection)	< 0.1 ohm. (Shut Down and Latch Off without Damage)							
	OTP (Over Temperature Protection)	Shut Down and Latch Off without Damage							
Environment	Operating Temperature	0 ~ 50°C							
	Operating Humidity	85% RH, Non-condensing							
	Storage Temperature	-20 ~ 80°C							
	Storage Humidity	95% RH, Non-condensing							
	Shock Test (Non-Operating)	40G, 9 mSec. half-sine wave pulse in both directions on three mutually perpendicular axes.							
	Vibration Test (Non-Operating)	0.01g ² /Hz at 5 Hz sloping to 0.02g ² /Hz at 20 Hz, and maintaining 0.02g ² /Hz from 20 Hz to 500 Hz. The area under the PSD curve is 3.13gRMS. (Test duration: 20 minutes per axis for all three axes.)							
Insulation	Dielectric Strength	1,800 V _{AC}							
	Insulation Resistance	20 MΩ							
EMC	CE	EN55032 (CISPR32), EN61000-3-2, EN61000-3-3							
Form Factor		MINI RPSU							
Dimension (W x H x D)		150 x 86 x 190 mm / 5.9 x 3.4 x 7.5 in.							
MTBF (hours)		100k							
Weight		3.4 Kgs							
Warranty		3 Years							

Dimensions

Unit: mm [inch]

