

96PS-A500WPS2G-M1

500W PS2 ATX Power Supply



Features

- High efficiency 80 Plus Gold level
- Enhanced components with Japanese capacitors
- Wide range working temperature, full load under 50°C
- Product certified by safeties and compatible tested with systems
- IEC 60601-1, EN60601-1, ANSI/AAMI ES 60601-1 approvals
- Compliant with IEC 60601-1-2 4th edition
- 2 years warranty

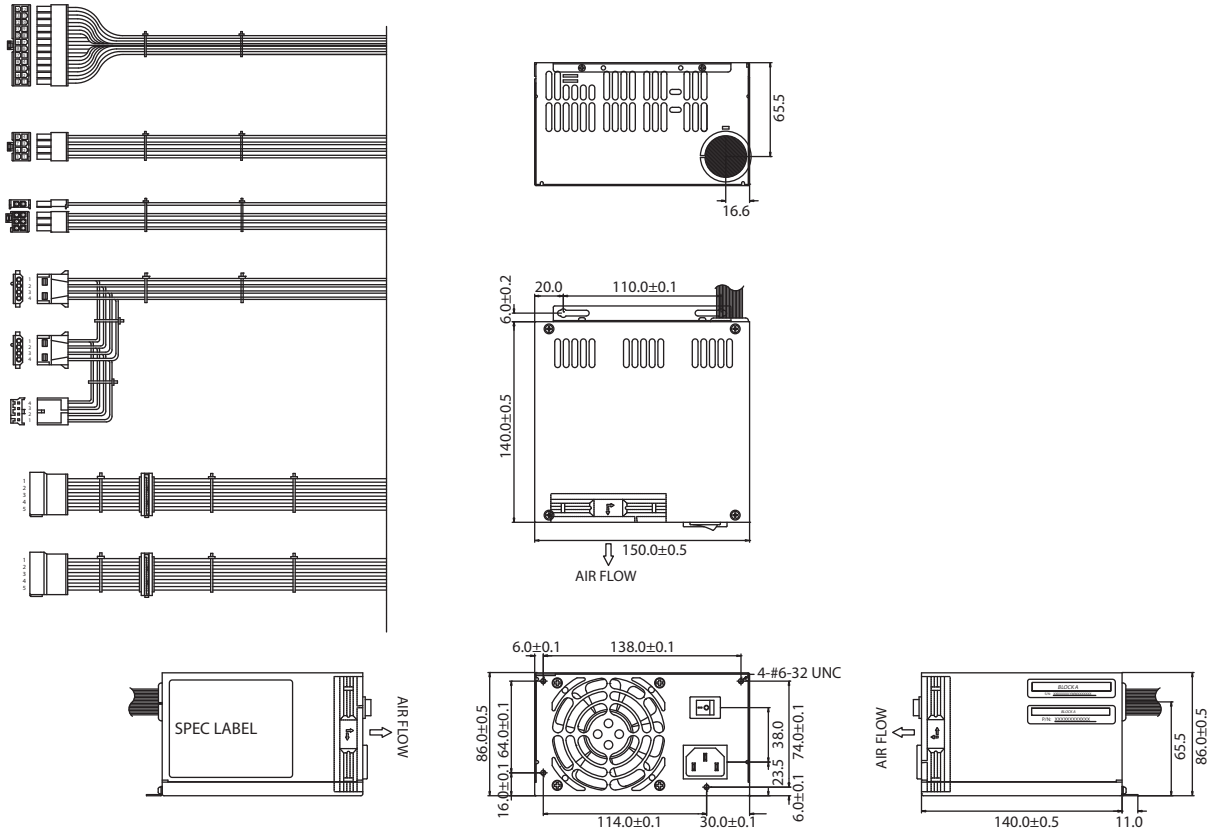


Specifications

Input	Input Voltage	100 ~ 240 V _{AC} (90 ~ 264 V _{AC})							
	Input Frequency	47 ~ 63 Hz							
	Input Current	< 8A @ 115 V _{AC} , < 4A @ 230V _{AC}							
	Efficiency (typical)	87%							
	80 Plus Certified	Gold							
	Max. Inrush Current	50A @ 115V _{AC} in, and 100 @ 230 V _{AC} in without damage							
	Hold-up Time	115V / 60Hz: 12 mSec. Minimum 230V / 50Hz: 17 mSec. Minimum							
	Leakage Current	< 2.5 mA-rms @ 264V _{AC} , 63 Hz							
Output	Output Voltage	+3.3V	+5V	+12V1	+12V2	+12V3	-5V	-12V	+5VSB
	Output Current (Max.)	24A	20A	16A	16A	16A	0.2A	0.5A	3A
	Output Current (Min.)	0.1A	0.1A	0.2A	0A	0.1A	0A	0A	0A
	Max. Power	Total 130 Watts			Total 456 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 ~ 4.8A	5.7 ~ 7A	13.4 ~ 16A	13.4 ~ 16A	13.4 ~ 16A	N/A	N/A	N/A
	OCP (Over Current Protection)	30 ~ 45A	28 ~ 40A	20 ~ 30A	20 ~ 30A	20 ~ 30A	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	-40 ~ 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 @ 5 Hz sloping to 0.02g ² /Hz @ 20 Hz, and maintaining 0.02g ² /Hz from 20 Hz to 500 Hz. The area under the PSD curve is 3.13g RMS. (Test duration: 20 minutes per axis for all three axes.)							
Insulation	Dielectric Strength	1,500 V _{AC}							
	Insulation Resistance	20 MΩ							
Safety		CB, CE, cUL, TUV							
PFC Function		Yes							
Fan Function		Yes							
Form Factor		PS2 ATX							
Dimension (W x H x D)		150 x 86 x 140 mm / 5.9 x 3.4 x 5.5 in.							
MTBF (hours)		200,000 (based on MIL-217)							
Weight		1800 g / 3.97 lb.							
Warranty		2 Years							

Dimensions

Unit: mm



Ordering Information

Part Number	Description
96PS-A500WPS2G-M1	AC to DC 100-240V 500W Medical Gold PS2 ATX Power Supply with PFC