

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

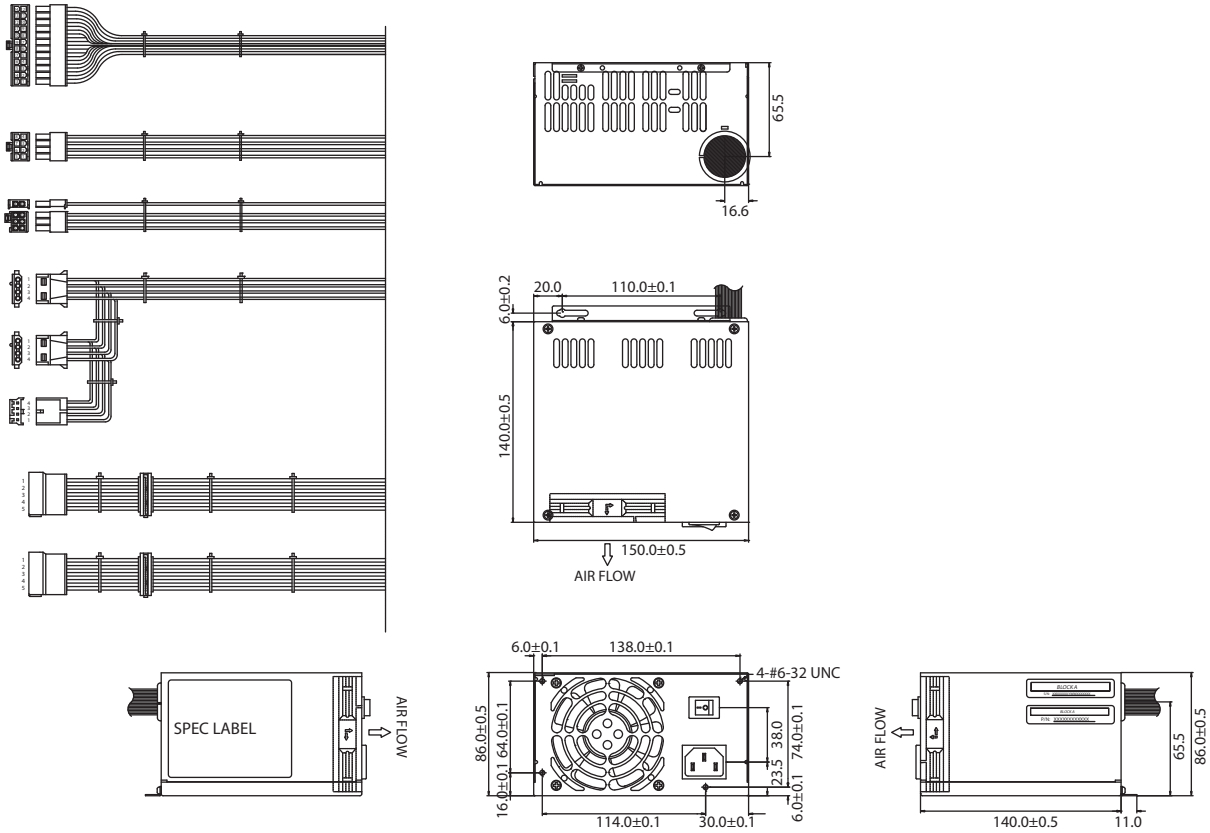


Specifications

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								
Output	Leakage Current	< 250 uA-rms @ 264V _{AC} , 63 Hz								
	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	
Protection	Load Regulation	±5%	±5%	±5%	±5%	±5%	±10%	±10%	±5%	
	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)								
Environment	OTP (Over Temperature Protection)	Shut down and latch off without damage								
	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.								
Insulation	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.)								
	Dielectric Strength	1,500 V _{AC}								
Safety	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