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300W ATX Power Supply Specification Sheet Model PS2



This specification defines the electrical performance and characteristics of the ESA Model PS2. The PS2 was designed with compliance to the AT/ATX Ver. 2.03 specification. PFC is optional.

Features

Temperature: Operating 0°C~ 50°C, Storage -20°C~ 80°C
 Humidity: Operating: 20%-95%, Non-Operating: 10%-95%
 Remarks: 85% is normal condition and 95% is with special coating process
 Overload Protection: 110 ~ 150% Max.
 Overvoltage Protection: +5V Output: 5.5V ~ 7.0V;
 Overcurrent Protection: Short Circuit
 Safety: UL 1950, CSA 22.2, TUV IEC 950
 PFC/AVS Optional

Specifications

DC Input

	Minimum	Maximum	
Vin Range (120Vac Nominal):	95	132	Switchable
Vin Range (220Vac Nominal):	190	263	

DC Output (Max)

Model:	PS2			
Output (V Nom):	5	-5	12	-12
Current (A Min):	7	0	2.5	0
Current (A Max):	25	0.5	14	0.5
Power (Watts Max):	300W			

Regulation

Load Regulation:	+/-5%	-12% ~ +13%	-6% ~ +8%	-10% ~ +12%
Voltage Output (V):	+5	-5	+12	-12
Minimum	4.75	-4.40	11.28	-10.80
Nominal	5.00	-5	12.00	-12.00
Maximum	5.25	-5.65	12.96	-13.44
P-P Noise (Typ mV):	50	120	120	120
Line Regulation:	± 1% Typical			

Regulatory Standards and Requirements

Safety:	UL 1950, CSA 22.2, TUV IEC 950
EMC:	CE, FCC
MTBF:	> 100,000 hrs.

Mechanical

Dimensions:	5.51Dx5.90W1x3.39H (inches), 140D x 150W x 86H (mm)
Connectors:	Main Power (6 P8, 6 P9), Peripherals: HDD, FDD

Technical Revisions

Specifications are subject to change without notice.