

80 PLUS Verification and Testing Report

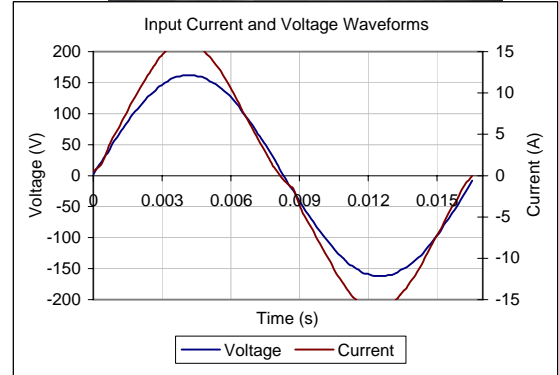


TYPICAL EFFICIENCY (50% Load):	84.79%
AVERAGE EFFICIENCY :	82.68%
80 PLUS COMPLIANT:	YES

Ecos ID #	439.1
Manufacturer	AEROCOOL
Model Number	EN53112
Serial Number	NA
Year	2008
Type	ATX12V & EPS12V
Test Date	1/14/2008

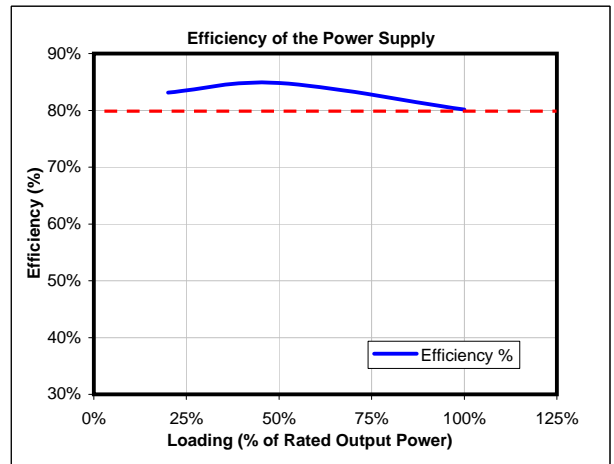
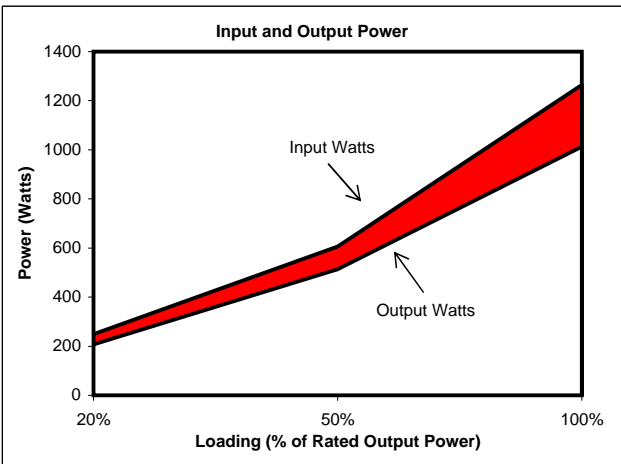
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12	Amps
Input Frequency	47-63	Hz
Rated Output Power	1020	Watts

Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 10.67%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency %
						12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V*	5VSB		
2.23	0.97	17.9%	20%	Light	249	12.2/13.8	12.2/0.2	3.3/4.1	5.1/4.1	5/0.6	207	83.11%
5.31	0.99	10.7%	50%	Typical	606	12.1/34.4	12.3/0.4	3.2/10.3	5.1/10.3	4.9/1.5	514	84.79%
11.03	1.00	7.5%	100%	Full	1264	12/68.8	12.4/0.8	3.1/20.5	4.9/20.7	4.8/3	1013	80.14%



These tests were conducted as a part of the 80 PLUS program. 80 PLUS is a computer buy-down program to promote high-efficiency power supplies (greater than 80% efficiency in the active mode) in desktop computers and desktop-derived servers.



Tested by Electric Power Research Institute, Knoxville, TN.