

80 PLUS Verification and Testing Report

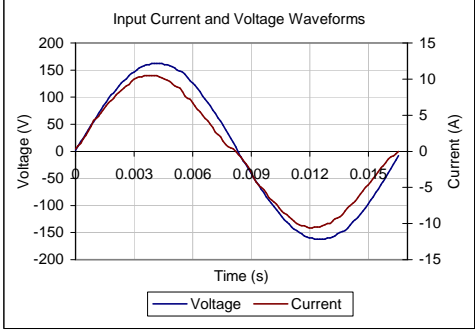
TYPICAL EFFICIENCY (50% Load):	87.07%
AVERAGE EFFICIENCY :	85.53%
80 PLUS COMPLIANT:	YES



Ecos ID #	1218
Manufacturer	AEROCOOL
Model Number	E85M-700
Serial Number	N/A
Year	2009
Type	ATX12V
Test Date	1/20/2009

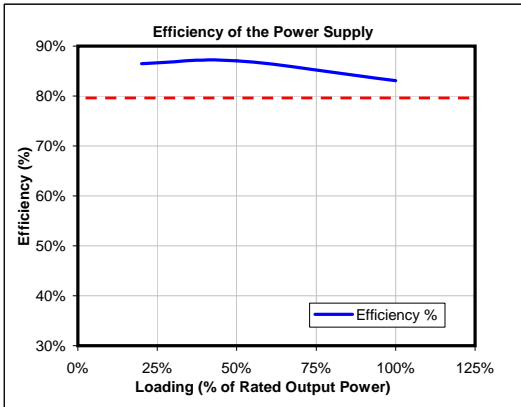
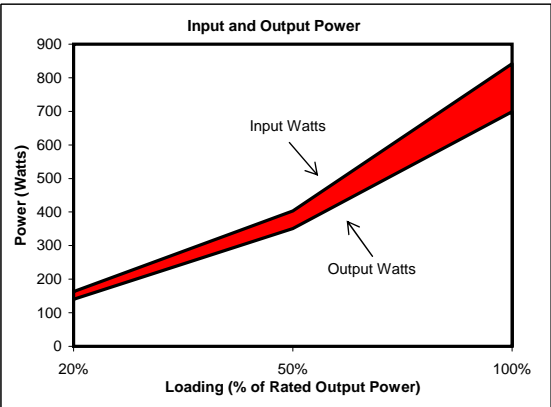
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50/60	Hz
Rated Output Power	700	Watts

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



Input AC Current Waveform (ITHD = 9.83%, 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		
1.47	0.96	100.0%	20%	Light	163	12/9.3	11.6/0	3.3/3.4	5/2.9	5/0.4	141	86.45%
3.57	0.98	9.8%	50%	Typical	403	12/23.3	11.7/0.1	3.3/8.6	5/7.2	5/1.1	351	87.07%
7.35	0.99	5.7%	100%	Full	841	12/46.5	11.9/0.3	3.3/17.1	4.9/14.3	5/2.2	699	83.08%



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.