

80 PLUS Verification and Testing Report

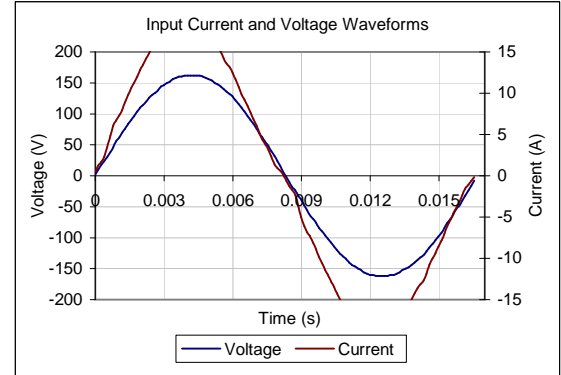


TYPICAL EFFICIENCY (50% Load):	84.08%
AVERAGE EFFICIENCY :	82.09%
80 PLUS COMPLIANT:	YES

Ecos ID #	358
Manufacturer	2THEMAX
Model Number	SP-1200
Serial Number	NA
Year	2007
Type	EPS12V
Test Date	9/5/2007

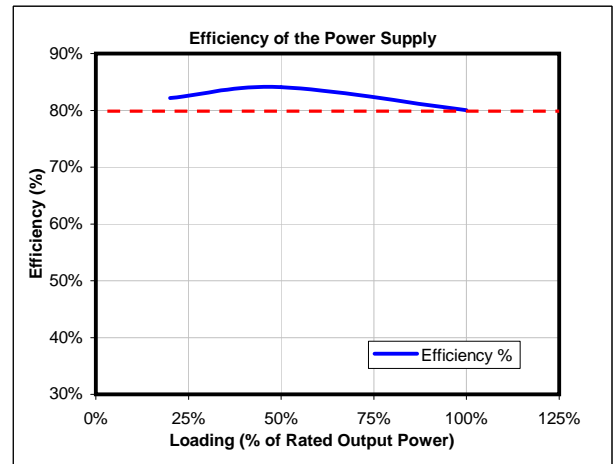
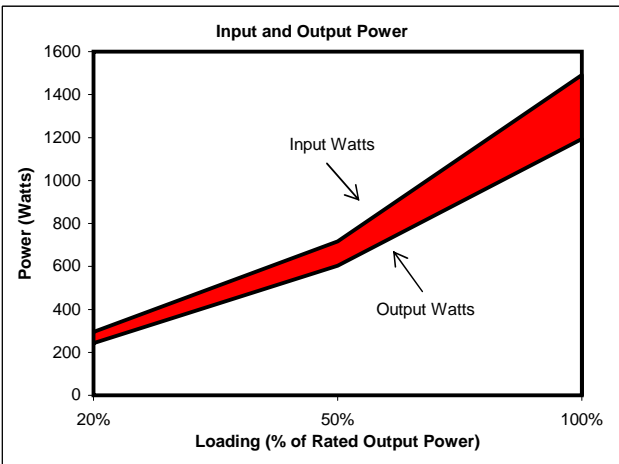
Rated Specifications	Value	Units
Input Voltage	115-240	Volts
Input Current	18	Amps
Input Frequency	60/50	Hz
Rated Output Power	1200	Watts

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



Input AC Current Waveform (ITHD = 10.25%, 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		
2.67	0.96	23.5%	20%	Light	295	12.1/16.2	11.5/0.1	3.4/4.6	5/4.6	5.1/1.1	243	82.19%
6.30	0.99	10.3%	50%	Typical	717	12.1/40.5	11.6/0.4	3.3/11.6	5/11.6	5/2.9	603	84.08%
13.04	0.99	6.0%	100%	Full	1491	12/81	11.9/0.8	3.3/23	4.9/23.2	4.7/5.8	1193	80.01%



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.