

80 PLUS Verification and Testing Report

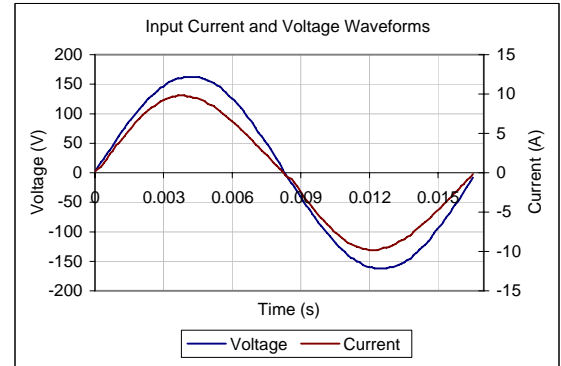


TYPICAL EFFICIENCY (50% Load):	85.13%
AVERAGE EFFICIENCY :	82.99%
80 PLUS COMPLIANT:	YES

Ecos ID #	721
Manufacturer	SEASONIC
Model Number	SS-650HT
Serial Number	R0802AB210880375
Year	2008
Type	ATX12V & EPS12V
Test Date	5/28/2008

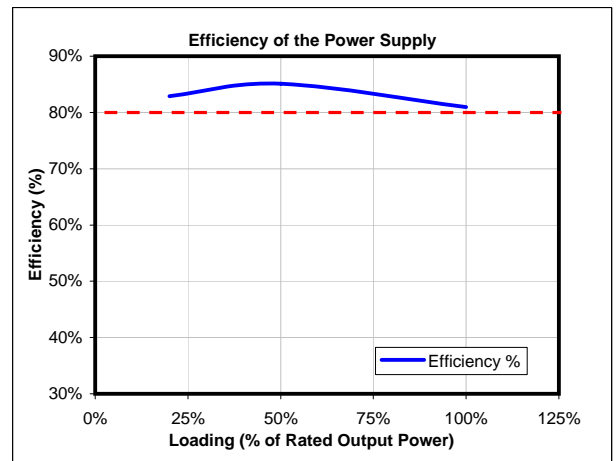
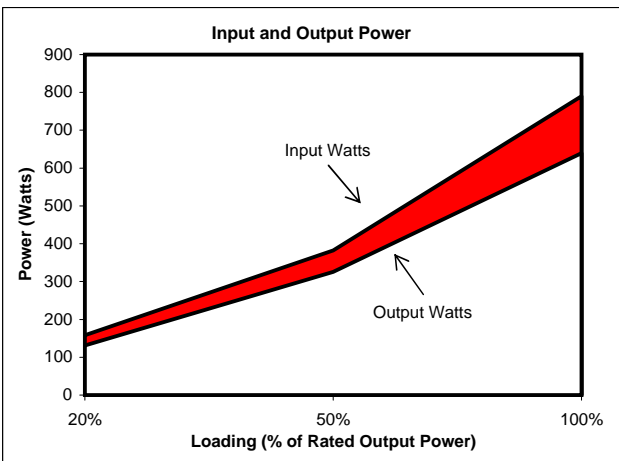
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 5.17%, 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
1.39	0.99	5.9%	20%	Light	158	48.5/8.3	12.1/0.1	3.3/2.8	5/3.5	5/0.5	131	82.90%
3.34	1.00	5.2%	50%	Typical	382	48.2/20.7	12.1/0.3	3.3/7.1	4.9/8.8	4.9/1.2	325	85.13%
6.88	1.00	4.8%	100%	Full	790	47.7/41.4	12.1/0.6	3.2/14.1	4.7/17.6	4.8/2.4	640	80.95%



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.