

80 PLUS Verification and Testing Report

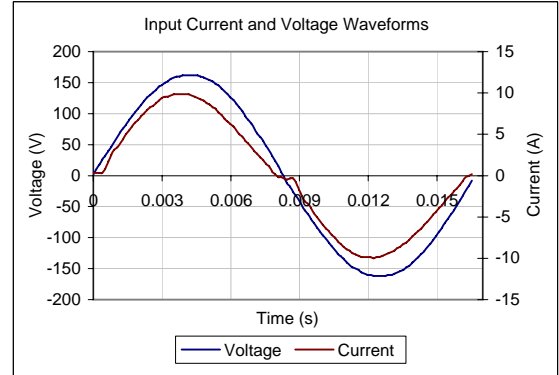


TYPICAL EFFICIENCY (50% Load):	84.78%
AVERAGE EFFICIENCY :	83.13%
80 PLUS COMPLIANT:	YES

Ecos ID #	886
Manufacturer	Sapphire Technology Limited
Model Number	SFI625AWT
Serial Number	NA
Year	2008
Type	EPS12V
Test Date	9/16/2008

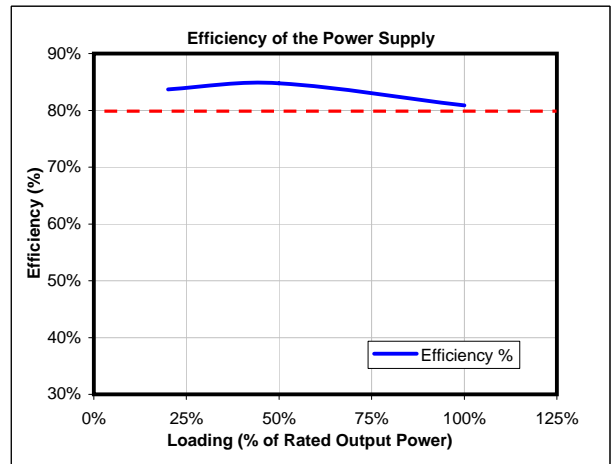
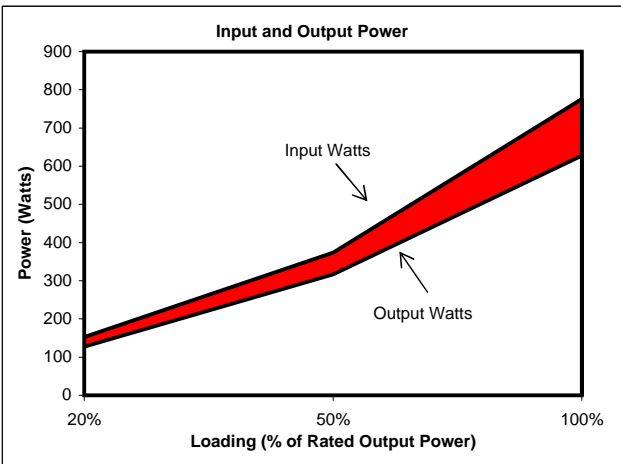
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	9.5-4	Amps
Input Frequency	50-60	Hz
Rated Output Power	625	Watts

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



Input AC Current Waveform (ITHD = 14.16%, 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		
1.36	0.97	22.6%	20%	Light	153	12.3/8.2	12.1/0.1	3.3/2.8	5.1/2.8	5.1/0.5	128	83.71%
3.29	0.99	14.2%	50%	Typical	373	12.2/20.6	12.2/0.2	3.2/6.9	5.1/6.9	5/1.2	317	84.78%
6.79	0.99	8.8%	100%	Full	776	12.1/41.1	12.4/0.5	3.1/13.8	5/13.8	4.8/2.5	628	80.89%



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.