

80 PLUS Verification and Testing Report

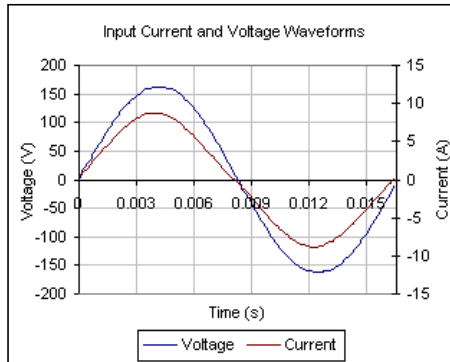
TYPICAL EFFICIENCY (50% Load):	83.75%
AVERAGE EFFICIENCY :	82.20%
80 PLUS COMPLIANT:	YES



Ecos ID #	41
Manufacturer	FSP/Sparkle
Model Number	FSP600-80GLN
Serial Number	Pre-production sample
Year	2006
Type	ATX12V / EPS12V
Test Date	3/1/2006

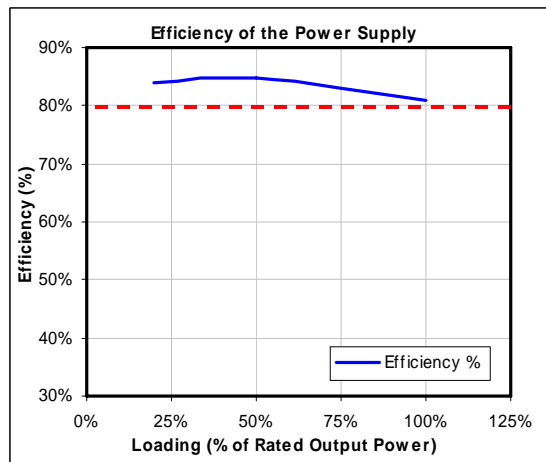
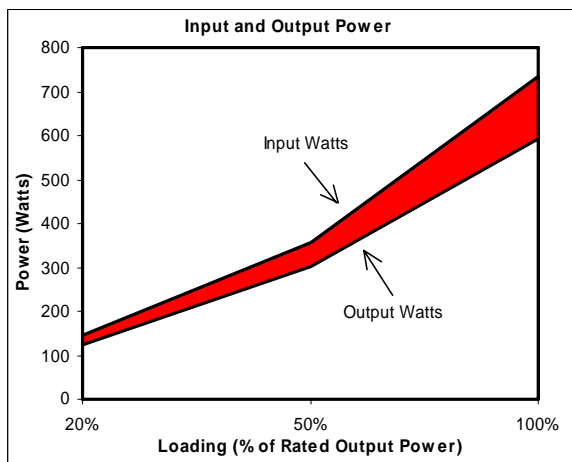
Rated Specifications	Value	Units
Input Voltage	100 - 240	Volts
Input Current	10 - 5	Amps
Input Frequency	60 - 50	Hz
Rated Output Power	600	Watts

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



Input AC Current Waveform (I_{THD} = 10.2%, 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 %
						12V1	12V2	12V3	12V4	-12V	3.3V	5V*	5VSB		
1.32	0.98	17.7%	20%	Light	148	12.2/2.1	12.2/2.1	12.2/2.1	12.2/2.1	12.2/0.06	3.3/2.4	5.1/2.0	5.1/0.4	122	82.34%
3.15	0.99	10.2%	50%	Typical	360	12.1/5.2	12.1/5.2	12.1/5.2	12.1/5.2	12.3/0.1	3.2/6.0	5.1/5.0	5.0/0.9	302	83.75%
6.43	1.00	6.1%	100%	Full	739	11.9/10.4	11.9/10.4	11.9/10.4	11.9/10.4	12.5/0.3	3.2/12.0	4.9/10.0	5.0/1.7	594	80.50%



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 small servers.



Tested by EPRI Solutions Inc., Knoxville, TN.