

80 PLUS Verification and Testing Report

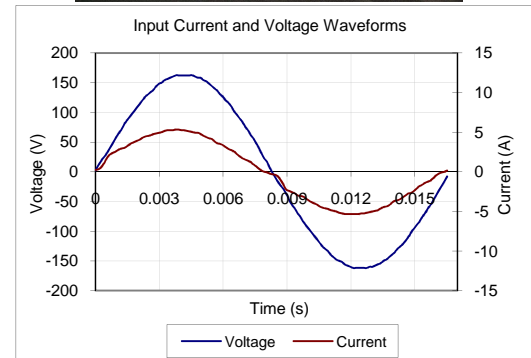
TYPICAL EFFICIENCY (50% Load):	84.23%
AVERAGE EFFICIENCY :	82.60%
80 PLUS COMPLIANT:	YES



Ecos ID #	634.1
Manufacturer	CHIEFTEC
Model Number	APS-350S
Serial Number	NA
Year	2008
Type	ATX12V
Test Date	4/29/2008

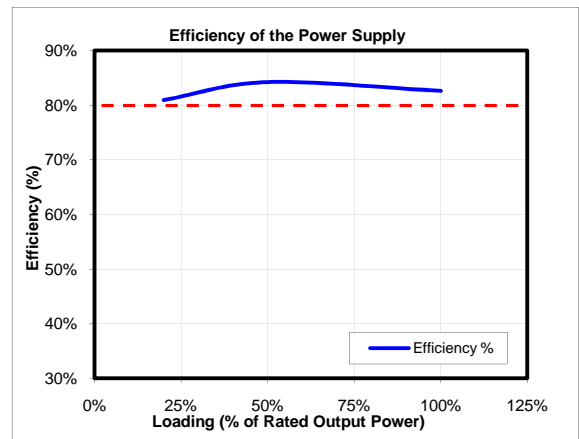
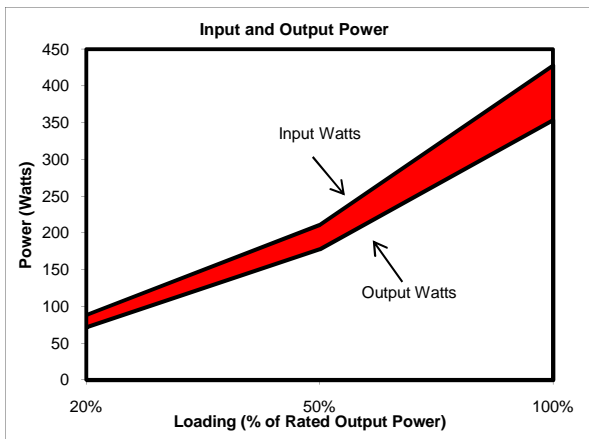
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	50-60	Hz
Rated Output Power	350	Watts

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



Input AC Current Waveform (ITHD = 9.01%, 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		
0.79	0.97	16.5%	20%	Light	88	0/3.8	12/0	3.4/2.7	5/2.7	5.1/0.4	72	80.95%
1.89	0.97	9.0%	50%	Typical	211	0/9.4	12.1/0.1	3.3/6.8	4.9/6.8	5.1/0.9	178	84.23%
3.75	0.99	3.8%	100%	Full	428	0/18.8	12.2/0.2	3.2/13.5	4.9/13.5	4.9/1.9	353	82.62%



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS® Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. <http://www.80plus.org/>

