

80 PLUS Verification and Testing Report

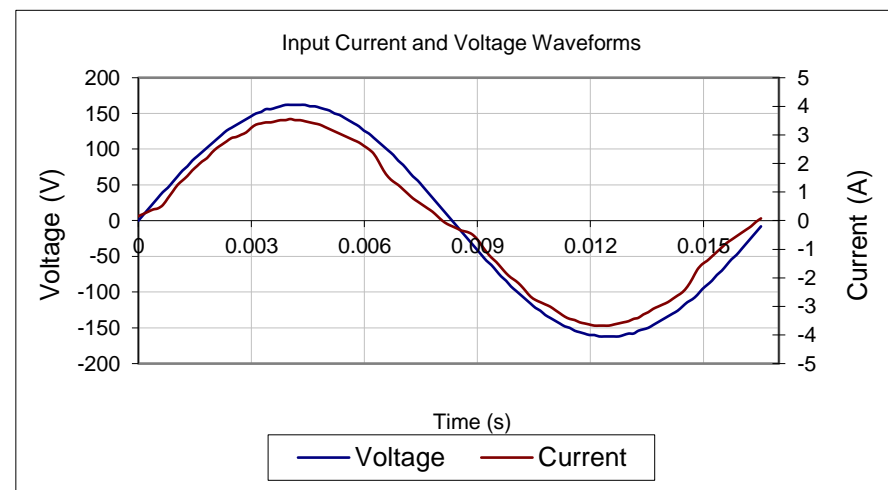
TYPICAL EFFICIENCY (50% Load):	86.97%
AVERAGE EFFICIENCY :	85.33%
80 PLUS COMPLIANT:	YES



ID #	4691.8
Manufacturer	Channel Well Technology Co.
Model Number	GPT500S-A
Serial Number	NA
Year	2016
Type	ATX12V
Test Date	8/29/16

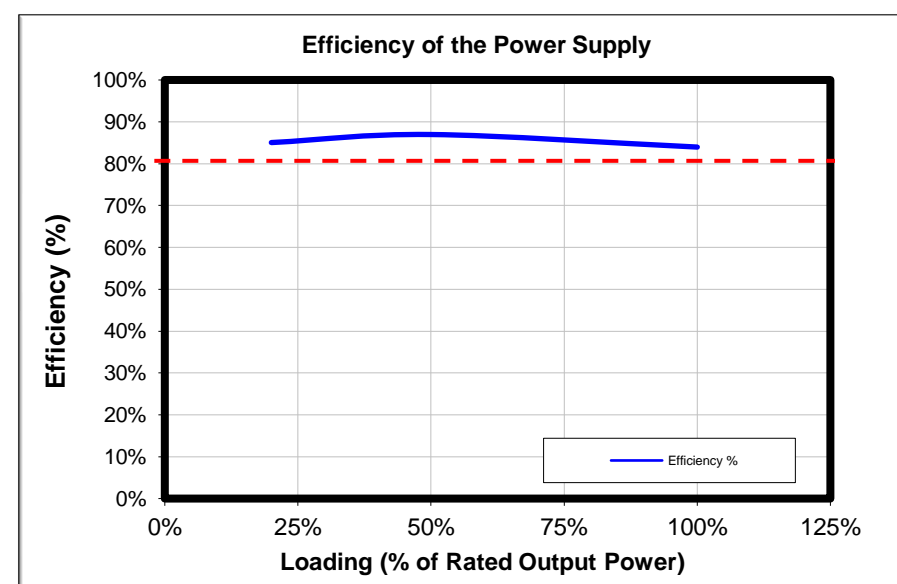
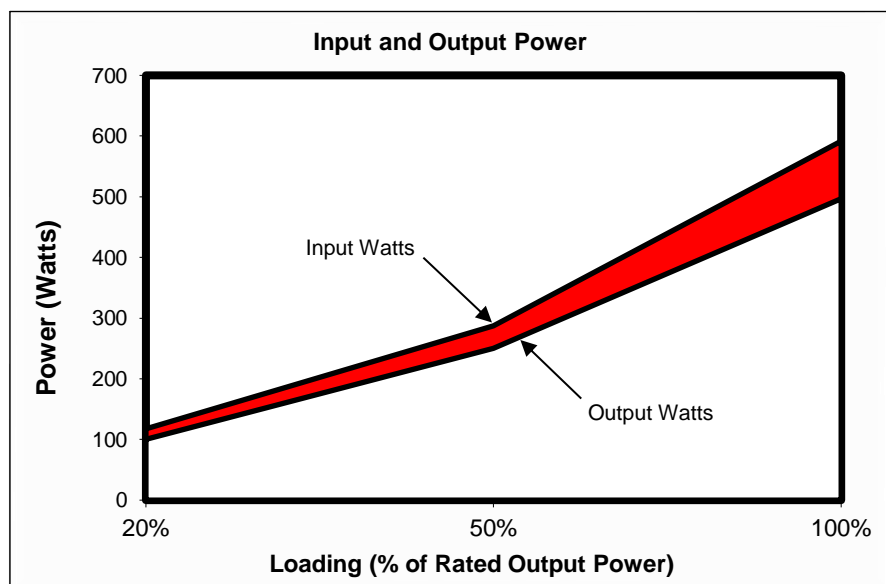
Rated Specifications	Value	Units
Input Voltage	115-230	Volts
Input Current	7	Amps
Input Frequency	47-63	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 8.12%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	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		
0.57	0.95	20.52%	10%	62.45	11.92/3.27	11.57/0.03	3.39/1.18	5.13/1.11	5.1/0.21	50.04	80.13%
1.04	0.98	14.56%	20%	117.73	11.94/6.54	11.61/0.05	3.38/2.36	5.12/2.21	5.09/0.43	100.13	85.05%
2.51	0.99	8.12%	50%	287.40	11.94/16.34	11.68/0.13	3.37/5.89	5.09/5.52	5.07/1.07	249.96	86.97%
5.16	1.00	6.11%	100%	591.60	11.93/32.54	11.81/0.26	3.34/11.74	5.04/11.03	5.03/2.15	496.77	83.97%



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/>