

80 PLUS Verification and Testing Report

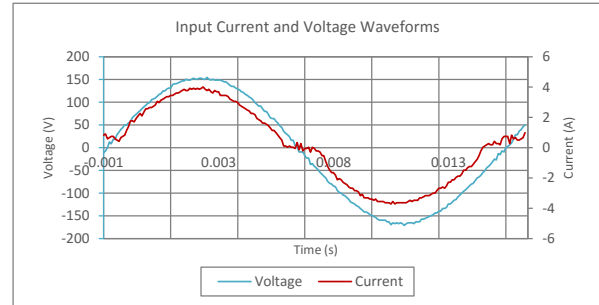
TYPICAL EFFICIENCY (50% Load):	87.36%
AVERAGE EFFICIENCY :	85.42%
80 PLUS COMPLIANT:	YES



ID Number	5001
Manufacturer	HIGH POWER
Model Number	HP1-A500BR-F12/14S(C)
Serial Number	NA
Year	2017
Type	ATX12V
Test Date	7/25/17

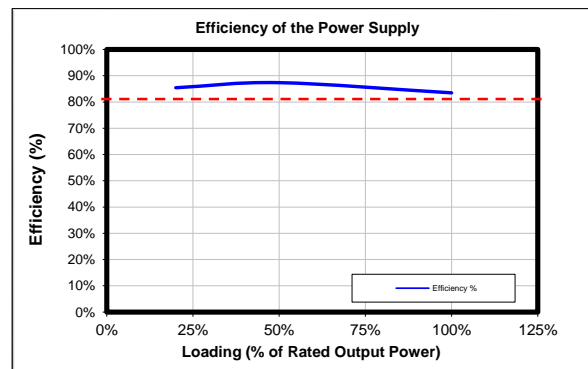
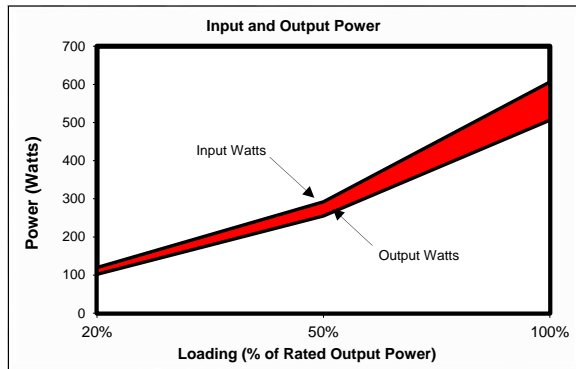
Rated Specifications	Value	Units
Input Voltage	115-230	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 11.436%, 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	0.97	19.63%	10%	63.24	12.23/3.45	12.1/0.02	3.34/0.89	5.18/0.89	5.16/0.21	51.05	80.73%
1.07	0.97	22.83%	20%	119.55	12.22/6.89	12.1/0.05	3.33/1.79	5.17/1.78	5.15/0.41	102.12	85.42%
2.56	0.99	11.44%	50%	292.00	12.19/17.28	12.1/0.12	3.31/4.48	5.16/4.43	5.1/1.03	255.09	87.36%
5.30	0.99	9.25%	100%	606.19	12.16/34.38	12.12/0.25	3.28/8.97	5.12/8.87	5.02/2.06	506.07	83.48%



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/>

