

80 PLUS Verification and Testing Report

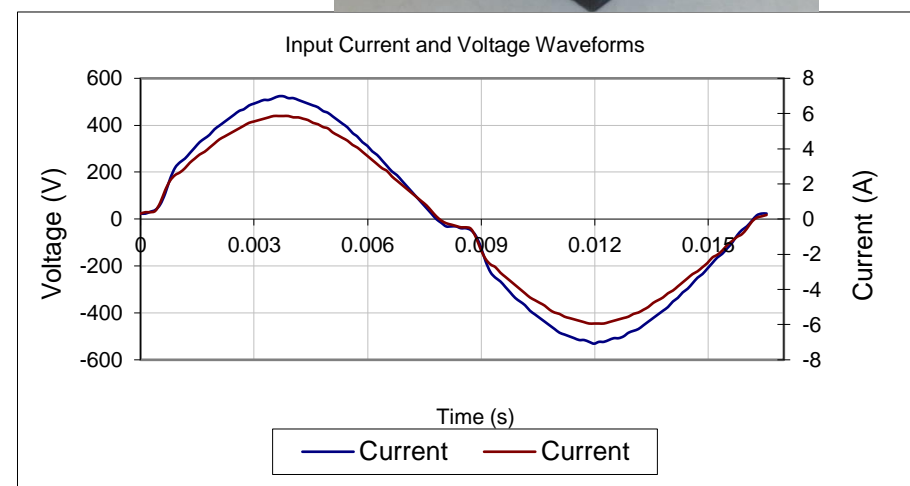
TYPICAL EFFICIENCY (50% Load):	92.76%
AVERAGE EFFICIENCY :	92.14%
80 PLUS COMPLIANT:	YES



ID Number	4849
Manufacturer	Aerocool Advanced Technologies Corp
Model Number	P7-850 Platinum
Serial Number	N/A
Year	2017
Type	ESP12V
Test Date	1/25/17

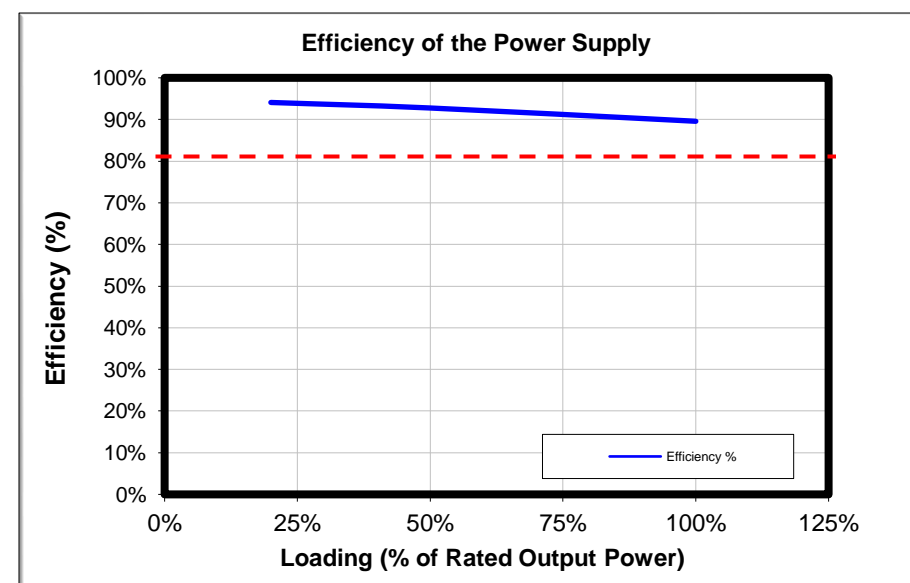
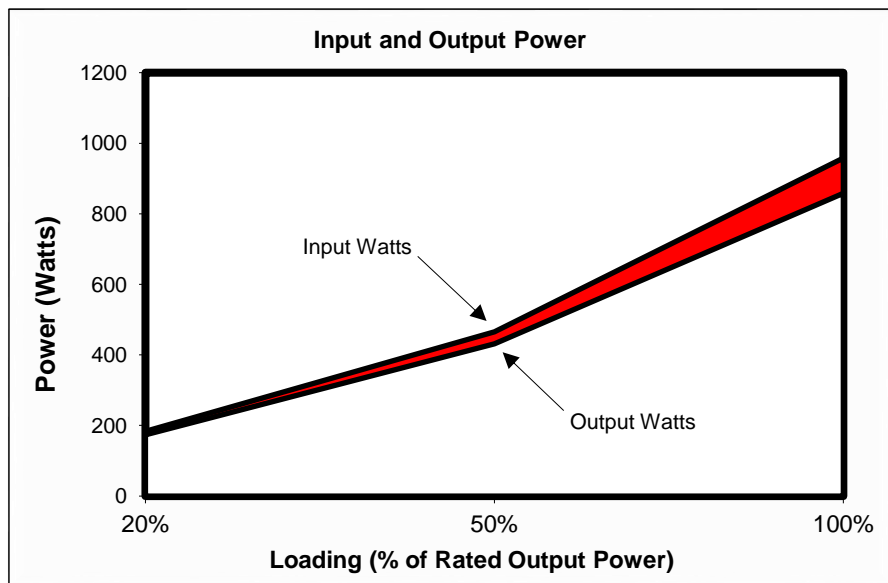
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12.5/6	Amps
Input Frequency	50-60	Hz
Rated Output Power	850	Watts

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



Input AC Current Waveform (ITHD = 7.14%, 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		
0.91	0.89	16.76%	10%	93.82	12.19/6.07	11.83/0.04	3.35/1.25	5.02/1.25	5.02/0.26	86.28	91.97%
1.68	0.95	13.88%	20%	184.07	12.19/12.19	11.9/0.09	3.35/2.51	5.02/2.49	5/0.52	173.18	94.08%
4.11	0.99	7.14%	50%	465.90	12.18/30.48	12.03/0.22	3.33/6.28	4.99/6.21	4.96/1.3	432.15	92.76%
8.38	0.99	4.49%	100%	958.00	12.16/60.66	12.09/0.43	3.31/12.55	4.96/12.39	4.91/2.6	858.12	89.57%



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/>

