

80 PLUS Verification and Testing Report

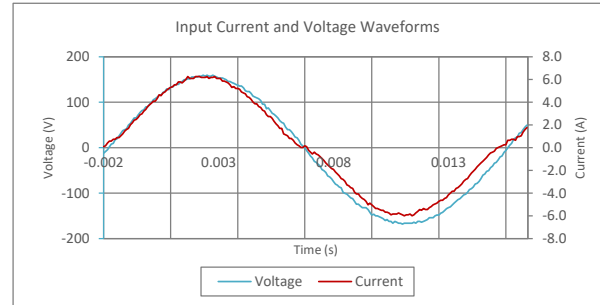
TYPICAL EFFICIENCY (50% Load):	91.49%
AVERAGE EFFICIENCY :	90.25%
80 PLUS COMPLIANT:	YES



ID Number	6279
Manufacturer	HIGH POWER ELECTRONIC CO., LTD.
Model Number	HP1-F850GD-F14C
Serial Number	N/A
Year	2021
Type	ATX12V
Test Date	1/11/21

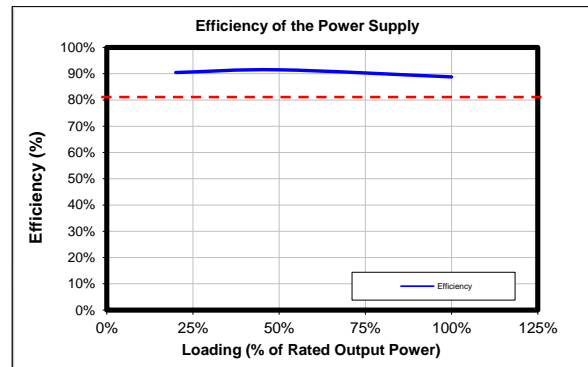
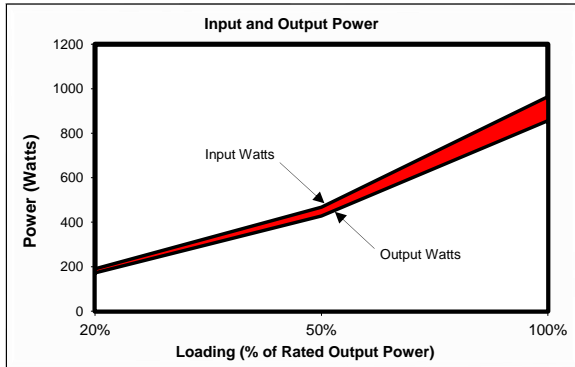
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	850	Watts

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



Input AC Current Waveform (ITHD = 7.58%, 50% Load)

I _{RMS}	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		
0.89	0.98	14.34%	10%	99.80	12.11/6.08	12.06/0.03	3.38/1.24	5.09/1.24	5.1/0.26	85.88	86.06%
1.68	0.99	13.37%	20%	190.30	12.1/12.22	12.06/0.05	3.37/2.48	5.1/2.47	5.1/0.52	172.14	90.46%
4.09	1.00	7.58%	50%	467.90	12.09/30.55	12.09/0.01	3.34/6.21	5.09/6.16	5.05/1.29	428.08	91.49%
8.40	1.00	5.91%	100%	964.30	12.06/61.09	12.11/0.26	3.29/12.43	5.07/12.3	4.98/2.58	856.26	88.80%



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/>