

80 PLUS Verification and Testing Report

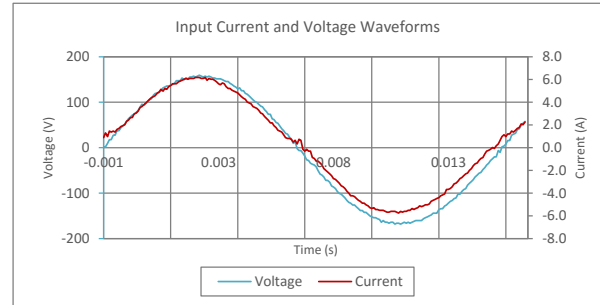
TYPICAL EFFICIENCY (50% Load):	92.54%
AVERAGE EFFICIENCY :	91.39%
80 PLUS COMPLIANT:	YES



ID Number	5307
Manufacturer	FSP Technology Inc.
Model Number	HPT850M
Serial Number	N/A
Year	2018
Type	ATX12V,EPS12V
Test Date	5/21/18

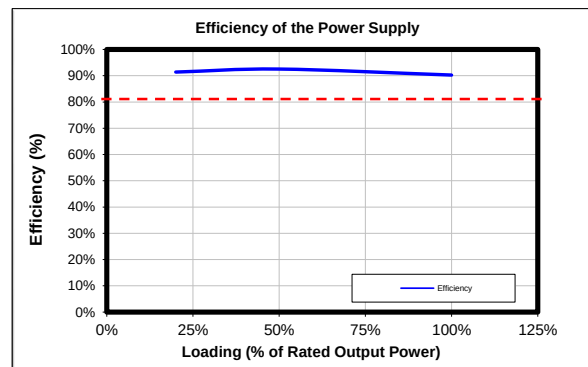
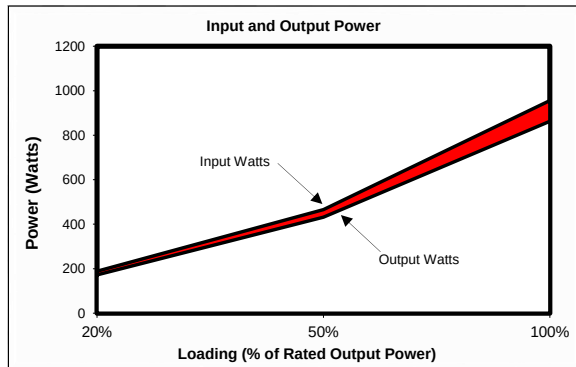
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	850	Watts

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



Input AC Current Waveform (THD = 4.67%, 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	0.95	13.57%	10%	97.65	12.13/6.26	11.98/0.03	3.37/1.06	5.01/1.06	5.05/0.22	86.24	88.31%
1.67	0.98	6.18%	20%	188.66	12.13/12.51	11.99/0.05	3.39/2.12	5.03/2.11	5.05/0.44	172.41	91.39%
4.07	1.00	4.67%	50%	466.20	12.11/31.3	12/0.13	3.46/5.3	5.1/5.26	5.02/1.1	431.43	92.54%
8.32	1.00	4.11%	100%	955.80	12.09/62.55	12/0.26	3.56/10.61	5.2/10.5	4.97/2.2	862.60	90.25%



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/>

