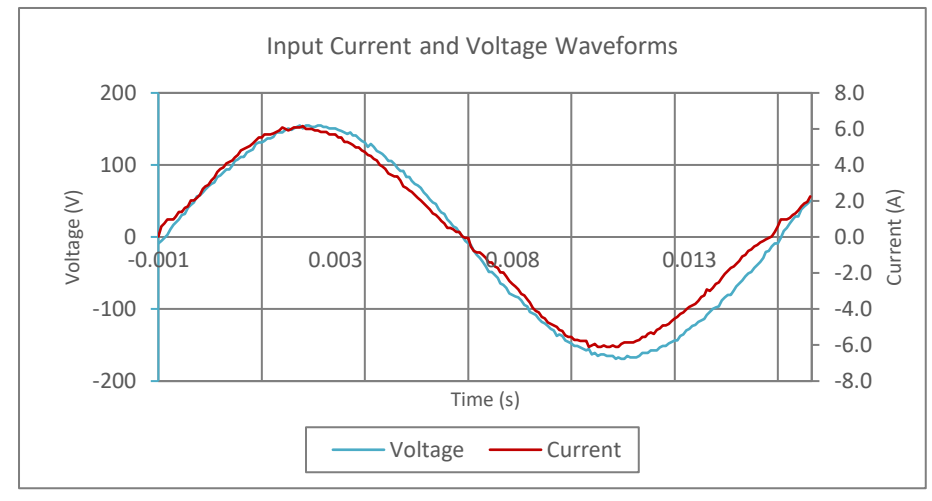
80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	**92.03%**
AVERAGE EFFICIENCY :	**90.78%**
80 PLUS COMPLIANT:	**YES**

ID Number	5643
Manufacturer	FSP Technology Inc.
Model Number	HPT2-850M
Serial Number	S9081030032
Year	2019
Type	ATX12V,EPS12V
Test Date	9/4/19

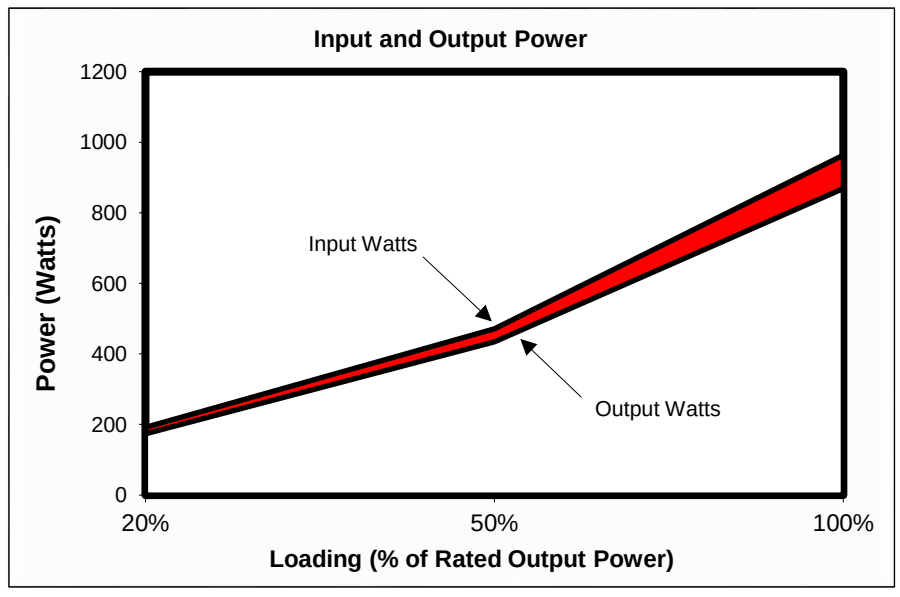
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	11-5.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	**850**	**Watts**

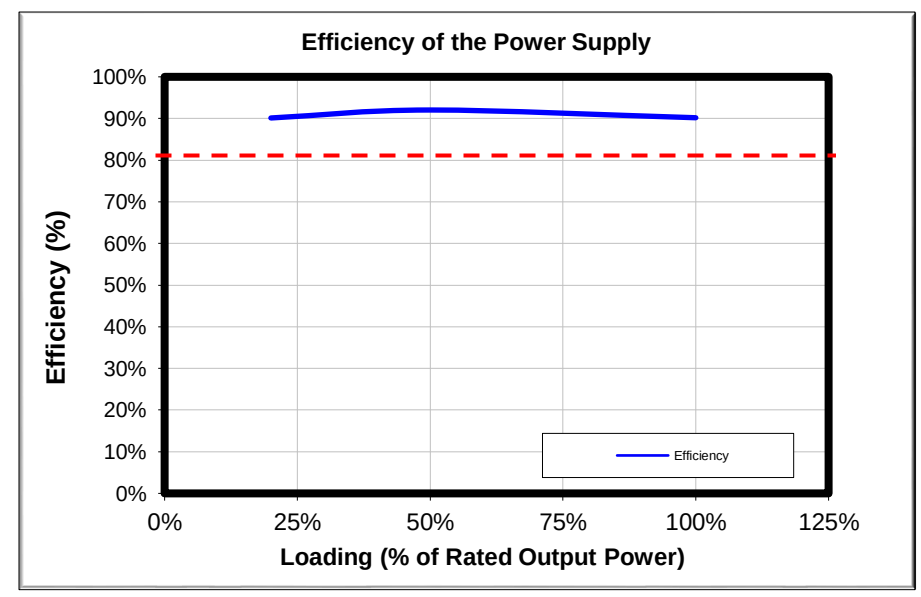
Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.



Input AC Current Waveform (ITHD = 5.7%, 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	0.97	14.13%	10%	99.31	12.16/6.11	12.21/0.03	3.4/1.24	5.22/1.24	5.07/0.26	86.61	**87.21%**
1.69	0.99	4.51%	20%	192.24	12.16/12.21	12.22/0.05	3.43/2.49	5.24/2.48	5.07/0.52	173.26	**90.13%**
4.12	1.00	5.70%	50%	471.70	12.14/30.58	12.23/0.13	3.52/6.22	5.31/6.17	5.05/1.29	434.12	**92.03%**
8.42	1.00	6.95%	100%	963.40	12.12/61.11	12.25/0.26	3.65/12.44	5.42/12.31	4.98/2.58	868.79	**90.18%**





PLUG LOAD solutions

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/*

80 PLUS®