

80 PLUS Verification and Testing Report

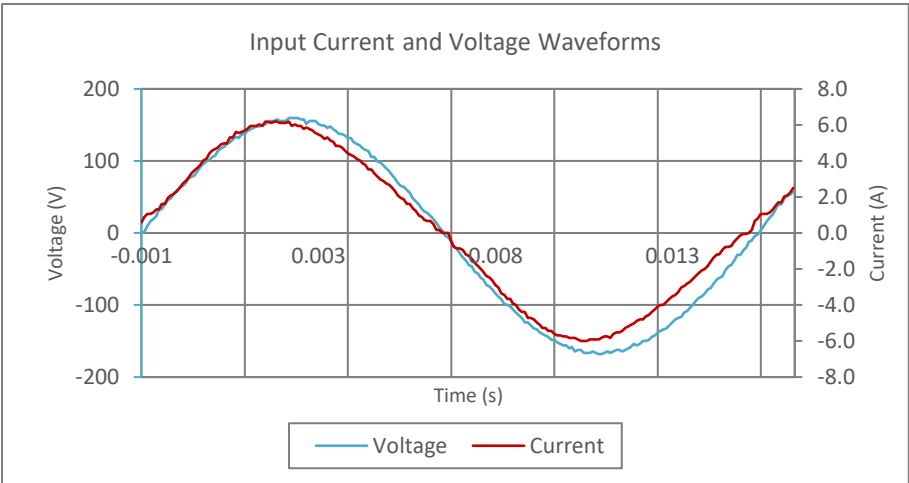
TYPICAL EFFICIENCY (50% Load):	92.04%
AVERAGE EFFICIENCY :	90.61%
80 PLUS COMPLIANT:	YES



ID Number	6652
Manufacturer	FSP Technology Inc.
Model Number	HGT-850
Serial Number	S1121030002
Year	2021
Type	ATX12V, EPS12V
Test Date	8/31/21

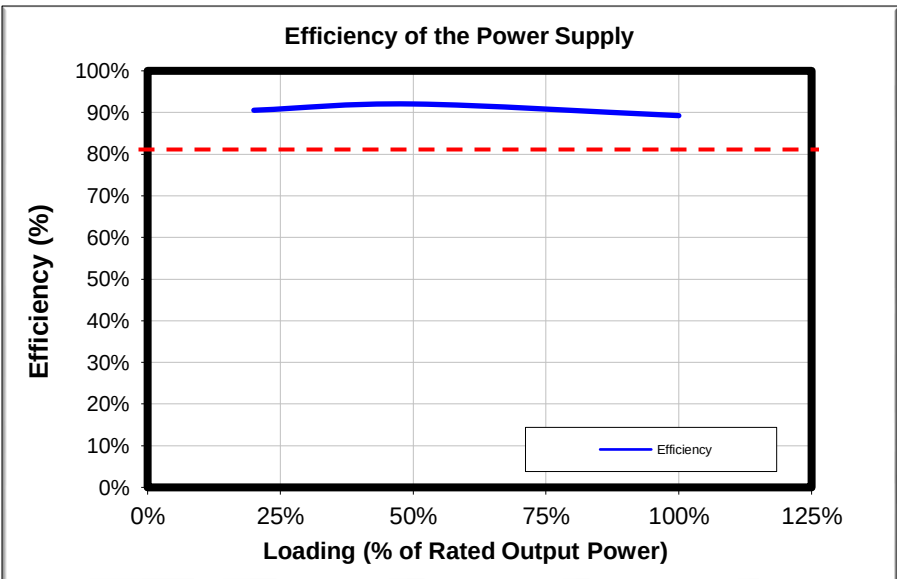
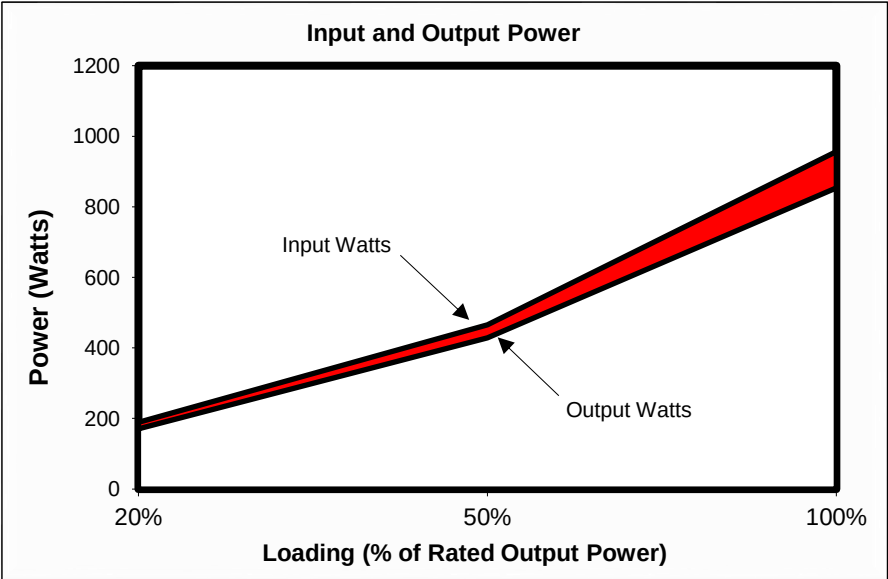
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	11-5.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	850	Watts

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



Input AC Current Waveform (ITHD = 6.3%, 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		
0.88	0.97	12.89%	10%	98.65	12.08/6.14	12.19/0.03	3.37/1.25	5.05/1.25	5.1/0.22	86.21	87.39%
1.66	0.99	5.31%	20%	189.42	12.07/12.24	12.2/0.05	3.38/2.49	5.04/2.48	5.08/0.43	171.48	90.53%
4.08	0.99	6.30%	50%	466.10	12.05/30.67	12.24/0.13	3.44/6.23	5.03/6.18	5.03/1.08	429.01	92.04%
8.38	0.99	9.08%	100%	956.50	12.02/61.25	12.26/0.26	3.34/12.47	5.02/12.34	4.98/2.16	853.62	89.24%



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/>