

80 PLUS Verification and Testing Report

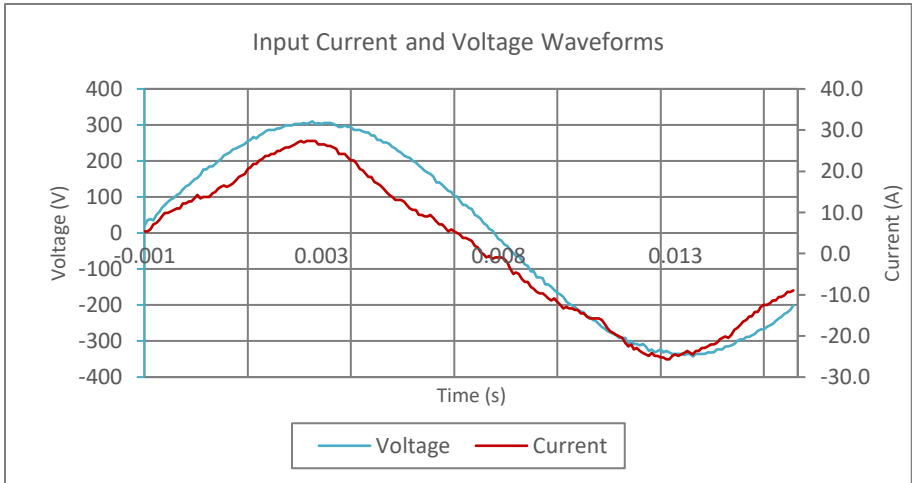
TYPICAL EFFICIENCY (50% Load):	88.76%
AVERAGE EFFICIENCY :	87.00%
80 PLUS COMPLIANT:	YES



ID Number	EU-480
Manufacturer	FSP Technology Inc.
Model Number	H3-650
Serial Number	S8410030022
Year	2019
Type	ATX12V
Test Date	1/31/19

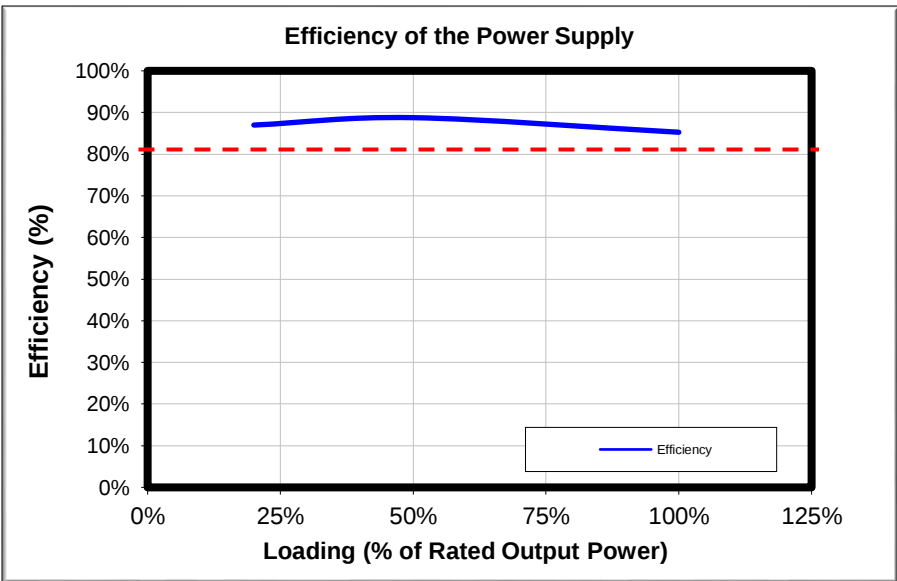
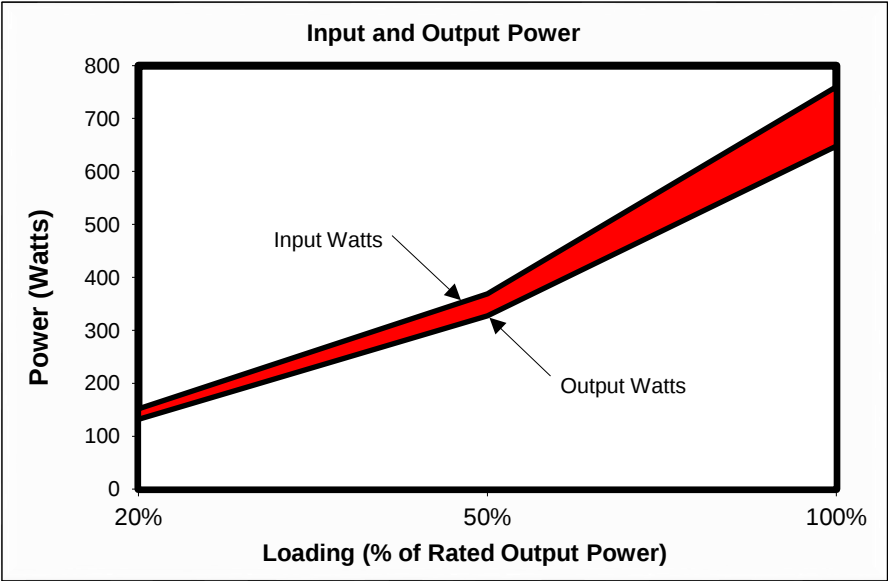
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	5	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.



Input AC Current Waveform (ITHD = 11.17%, 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		
0.38	0.93	20.13%	10%	80.58	12.11/4.62	11.95/0.03	3.38/1.02	5.01/1.02	5.13/0.21	65.88	81.75%
0.68	0.97	6.98%	20%	151.43	12.09/9.24	11.96/0.05	3.37/2.05	5/2.04	5.12/0.42	131.72	86.98%
1.63	0.99	11.17%	50%	368.80	12.04/23.07	11.96/0.13	3.35/5.12	4.98/5.08	5.07/1.06	327.33	88.76%
3.37	0.98	16.33%	100%	760.10	11.97/45.97	12.04/0.25	3.31/10.24	4.95/10.13	4.98/2.12	648.02	85.25%



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/>

