

80 PLUS Verification and Testing Report

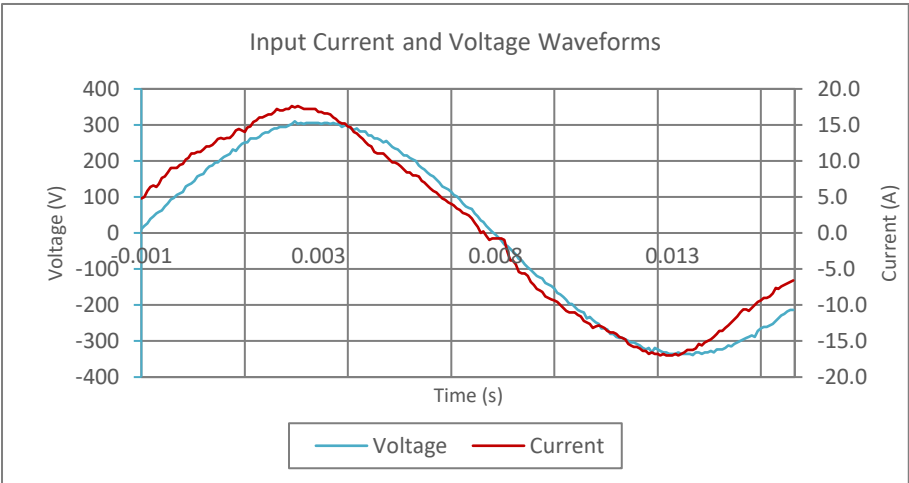
TYPICAL EFFICIENCY (50% Load):	87.69%
AVERAGE EFFICIENCY :	85.94%
80 PLUS COMPLIANT:	YES



ID Number	EU-478
Manufacturer	FSP Technology Inc.
Model Number	H3-450
Serial Number	S8410030027
Year	2019
Type	ATX12V
Test Date	1/30/19

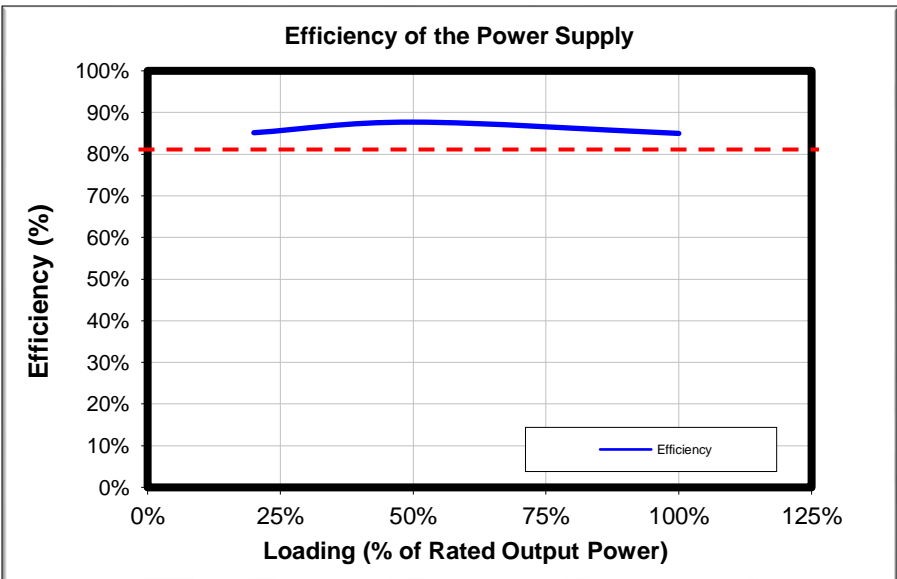
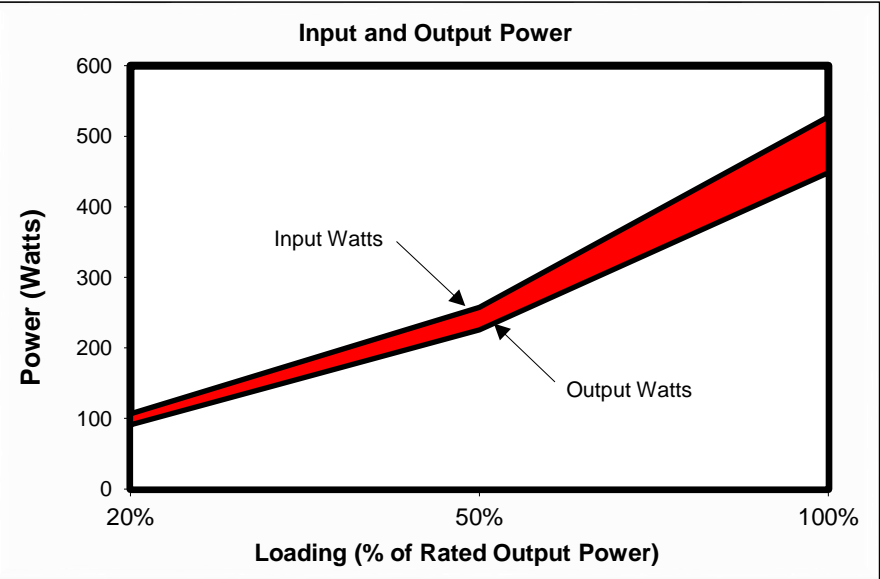
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	3.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	450	Watts

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



Input AC Current Waveform (ITHD = 6.36%, 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		
0.28	0.89	21.28%	10%	57.63	12.08/3.07	11.95/0.02	3.36/0.84	5.01/0.84	5.16/0.2	45.35	78.70%
0.49	0.95	9.16%	20%	106.67	12.06/6.15	11.95/0.05	3.35/1.67	5/1.67	5.14/0.41	90.82	85.14%
1.14	0.99	6.36%	50%	257.50	12.01/15.37	11.95/0.12	3.33/4.18	4.97/4.15	5.1/1.02	225.81	87.69%
2.32	0.99	11.54%	100%	527.60	11.93/30.75	12.03/0.24	3.29/8.37	4.92/8.28	5.02/2.04	448.34	84.98%



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/>

