

80 PLUS Verification and Testing Report

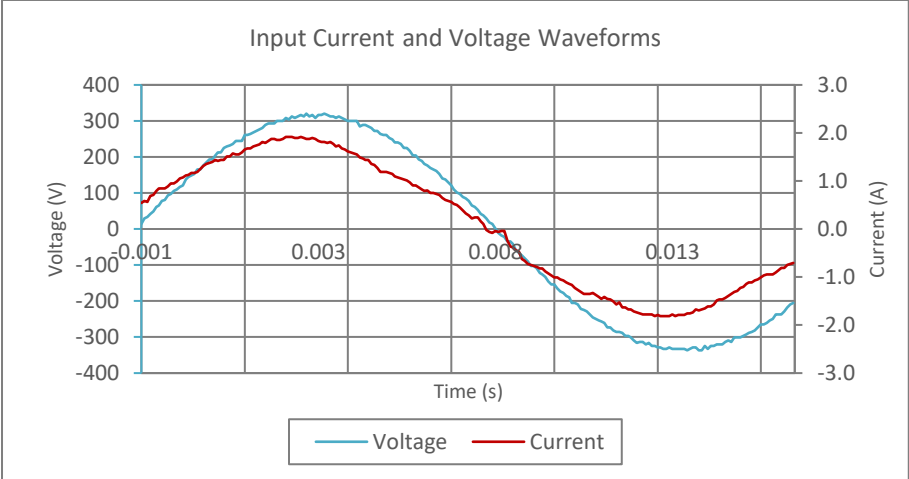
TYPICAL EFFICIENCY (50% Load):	89.05%
AVERAGE EFFICIENCY :	87.52%
80 PLUS COMPLIANT:	YES



ID Number	EU-435.1
Manufacturer	FSP Technology Inc.
Model Number	HP2-500M
Serial Number	N/A
Year	2018
Type	ATX12V
Test Date	7/19/18

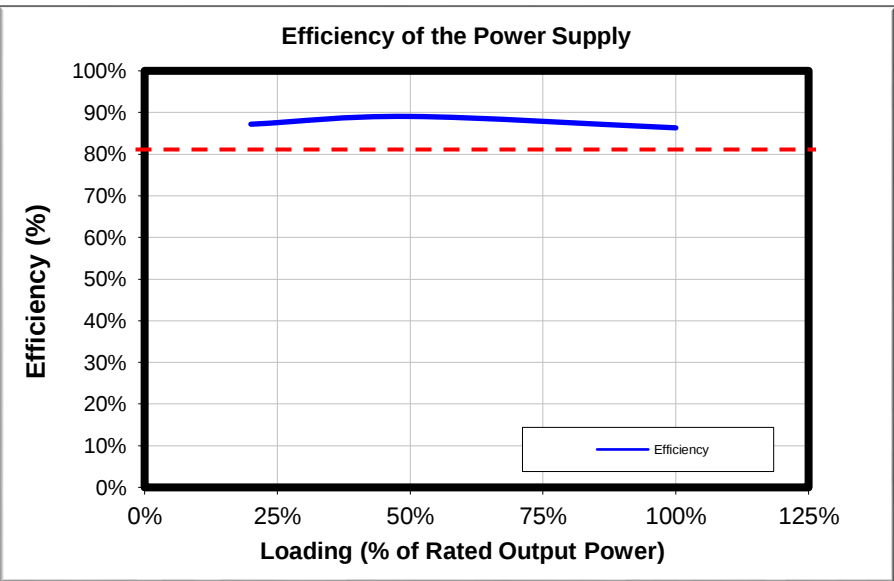
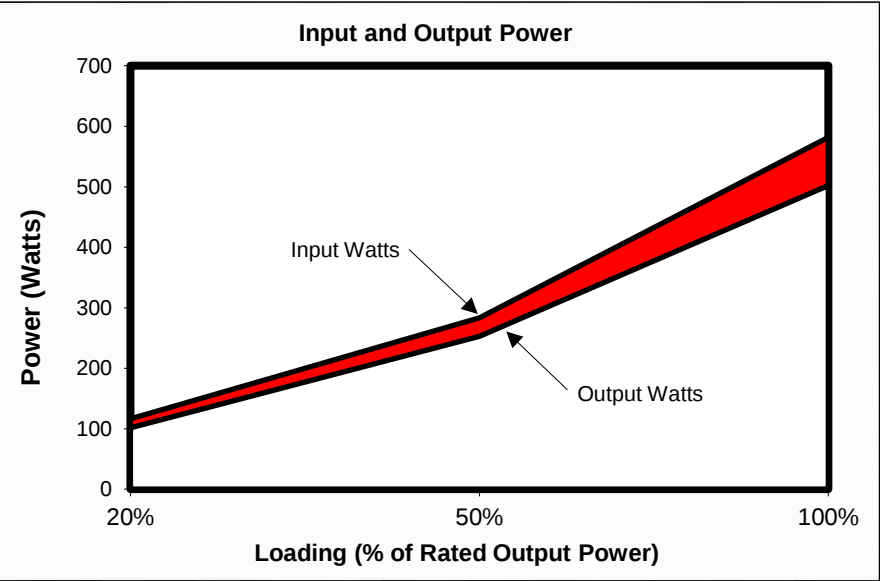
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	4	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 5.88%, 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		
0.30	0.90	19.98%	10%	62.10	12.15/3.39	12.04/0.02	3.33/0.99	5.01/0.99	5.14/0.21	50.75	81.73%
0.53	0.96	8.46%	20%	116.30	12.14/6.77	12.03/0.05	3.33/1.98	5/1.97	5.12/0.41	101.39	87.18%
1.25	0.99	5.88%	50%	283.50	12.1/16.94	12.06/0.12	3.31/4.95	4.99/4.91	5.08/1.03	252.47	89.05%
2.55	0.99	9.31%	100%	581.50	12.04/33.85	12.19/0.25	3.28/9.92	4.96/9.82	5/2.06	501.91	86.31%



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/>

