

80 PLUS Verification and Testing Report

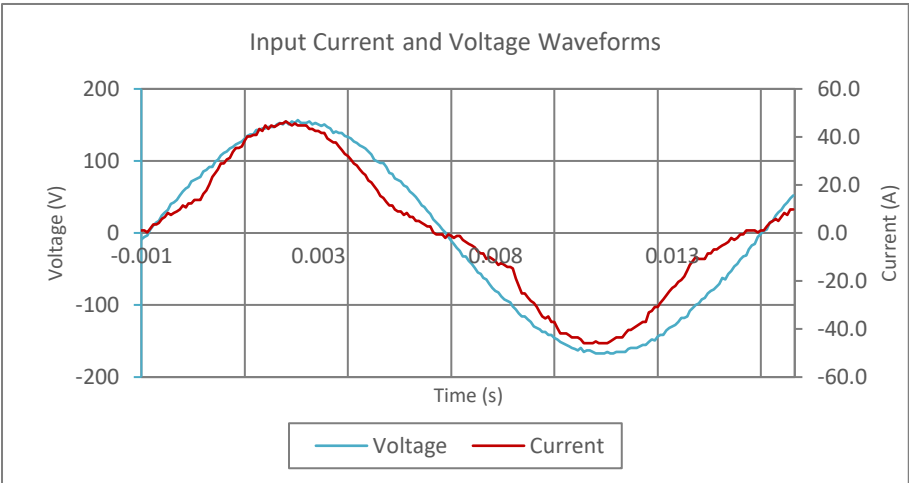
TYPICAL EFFICIENCY (50% Load):	88.07%
AVERAGE EFFICIENCY :	86.42%
80 PLUS COMPLIANT:	YES



ID Number	5498
Manufacturer	FSP Technology Inc.
Model Number	HA2-550
Serial Number	N/A
Year	2019
Type	ATX12V
Test Date	2/14/19

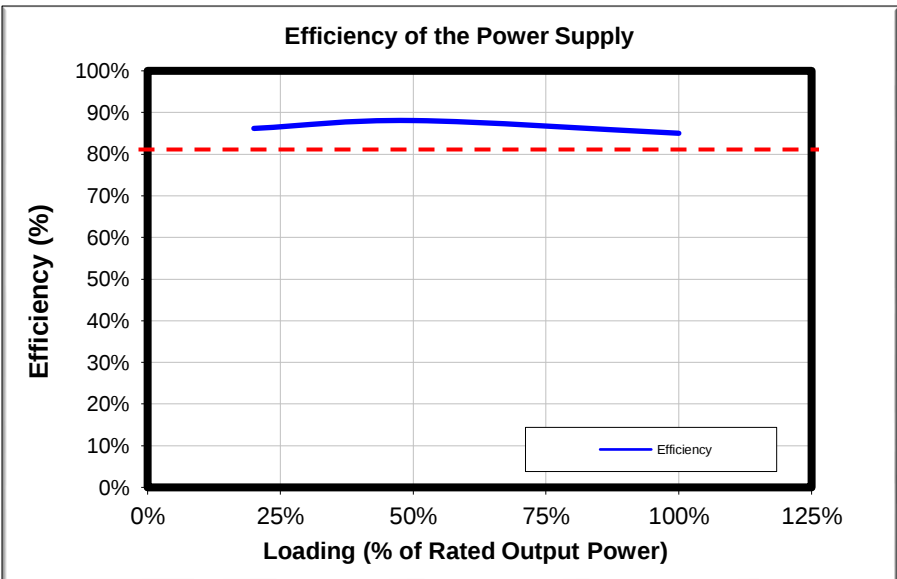
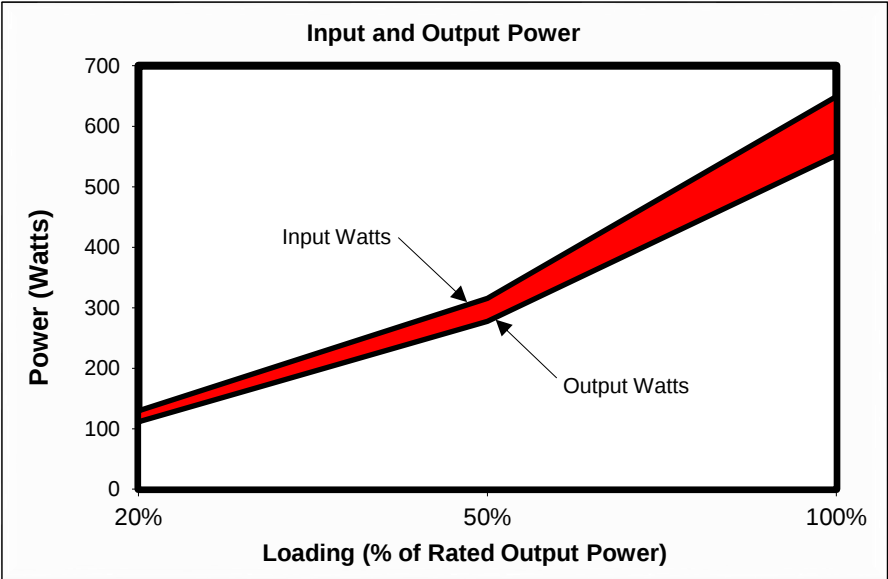
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7.5-3	Amps
Input Frequency	50-60	Hz
Rated Output Power	550	Watts

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



Input AC Current Waveform (ITHD = 19.78%, 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		
0.62	0.98	13.18%	10%	69.06	12.16/3.8	12.02/0.02	3.31/0.99	5/0.99	5.12/0.21	55.74	80.71%
1.14	0.99	10.34%	20%	129.38	12.15/7.6	11.99/0.05	3.31/1.99	4.99/1.98	5.1/0.41	111.49	86.17%
2.80	0.98	19.78%	50%	315.20	12.1/19.02	12/0.12	3.29/4.97	4.97/4.93	5.05/1.03	277.60	88.07%
5.75	0.98	18.10%	100%	649.00	12.05/37.95	12.12/0.25	3.27/9.95	4.94/9.85	4.97/2.06	551.74	85.01%



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/>

