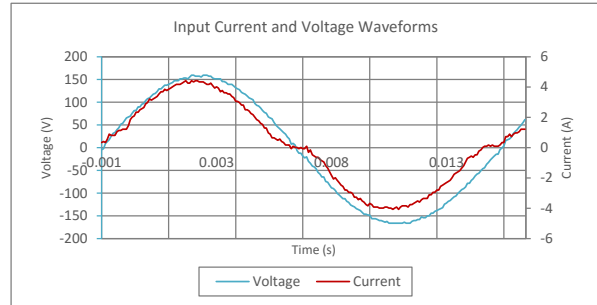


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	87.82%
AVERAGE EFFICIENCY :	86.07%
80 PLUS COMPLIANT:	YES



ID Number	4977
Manufacturer	FSP Technology Inc.
Model Number	HA550M
Serial Number	S7090030010
Year	2017
Type	ATX12V
Test Date	6/27/17

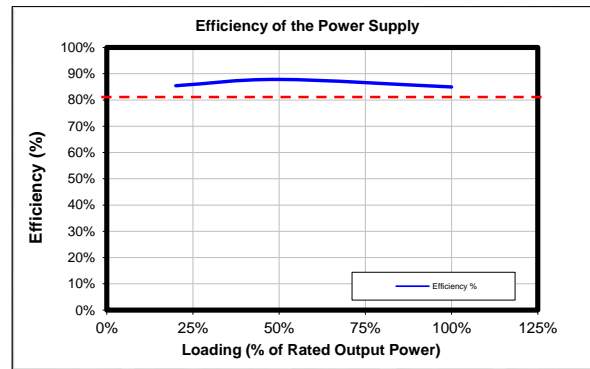
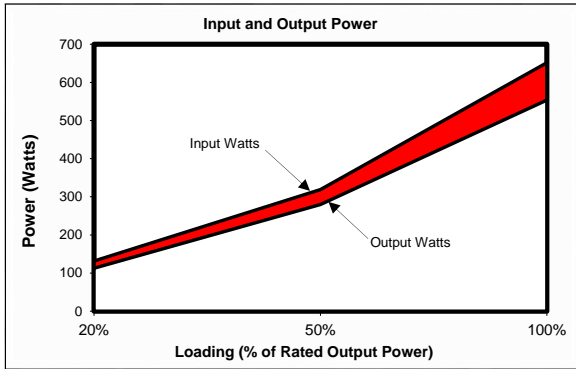


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	550	Watts

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

Input AC Current Waveform (ITHD = 12.21%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	Load (%)	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency %
					12V (cumulative of 12V1, 12V2, etc.)						
0.63	0.97	11.11%	10%	70.08	12.25/3.79	12.11/0.02	3.35/0.99	5.11/0.99	5.16/0.21	56.18	80.17%
1.16	0.99	6.67%	20%	131.67	12.24/7.6	12.08/0.05	3.35/1.99	5.11/1.98	5.15/0.41	112.49	85.43%
2.80	0.99	12.21%	50%	318.80	12.18/19.02	12.07/0.12	3.33/4.97	5.09/4.93	5.1/1.03	279.98	87.82%
5.72	0.99	11.77%	100%	651.50	12.1/37.8	12.11/0.25	3.29/9.96	5.06/9.85	5.01/2.06	553.54	84.96%



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/>

