80 PLUS Verification and Testing Report

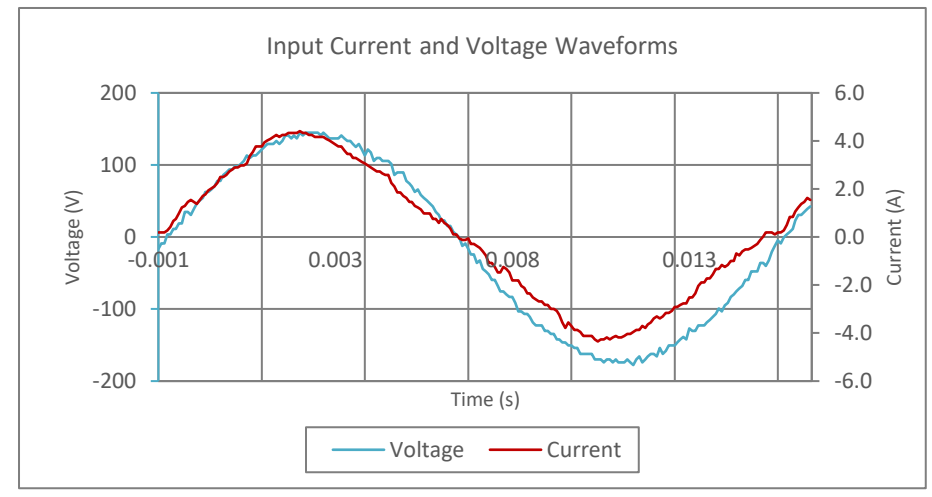
TYPICAL EFFICIENCY (50% Load):	**90.44%**
AVERAGE EFFICIENCY :	**89.06%**
80 PLUS COMPLIANT:	**YES**



ID Number	5676
Manufacturer	ASUSTek Computer Inc.
Model Number	(ASUSTek Computer Inc.) RSSS05-550G1
Serial Number	N/A
Year	2019
Type	ATX12V,EPS12V
Test Date	9/20/19

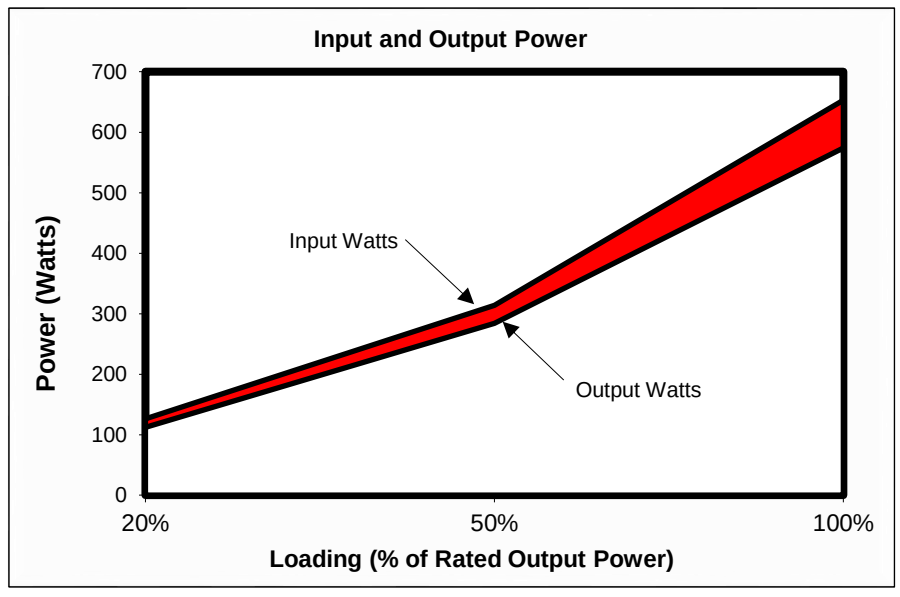
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	50-60	Hz
Rated Output Power	**550**	**Watts**

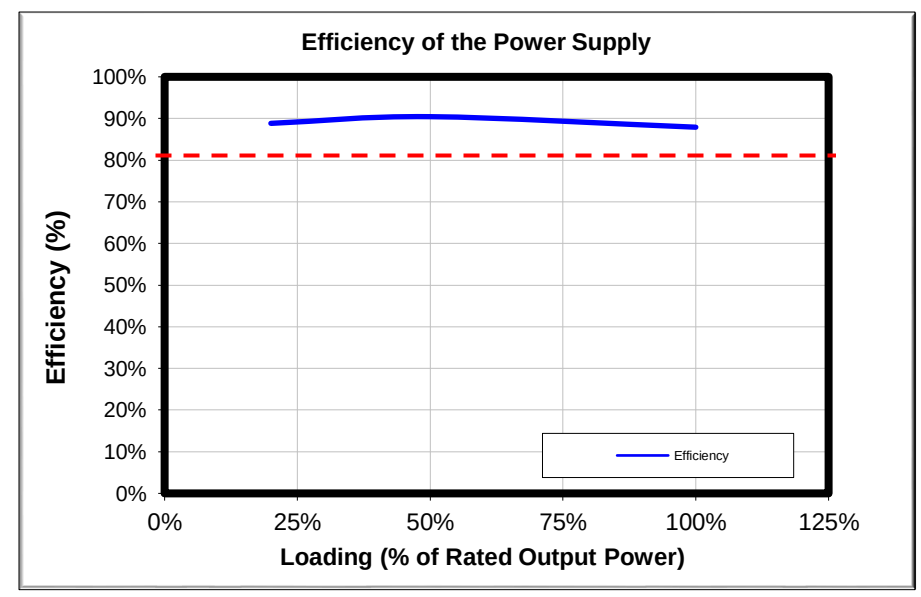
Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.



Input AC Current Waveform (ITHD = 9.27%, 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		
0.63	0.92	15.65%	10%	66.60	12.19/3.77	12.29/0.03	3.33/1.01	4.99/1.01	5.12/0.25	56.00	**84.08%**
1.13	0.97	7.48%	20%	126.40	12.26/7.54	12.31/0.05	3.33/2.01	4.99/2	5.11/0.5	112.28	**88.83%**
2.76	0.99	9.27%	50%	313.70	12.39/18.89	12.36/0.13	3.33/5.03	4.99/4.99	5.08/1.25	283.71	**90.44%**
5.73	0.99	10.04%	100%	652.80	12.58/37.68	12.96/0.25	3.4/10.07	4.99/9.96	5.02/2.51	573.84	**87.90%**





PLUG LOAD solutions

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/*

80 PLUS®