80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	**88.02%**
AVERAGE EFFICIENCY :	**86.42%**
80 PLUS COMPLIANT:	**YES**

ID Number	6771.3
Manufacturer	ASUS
Model Number	PRIME-550B-BLACK
Serial Number	N/A
Year	2022
Type	ATX12V
Test Date	2/4/22
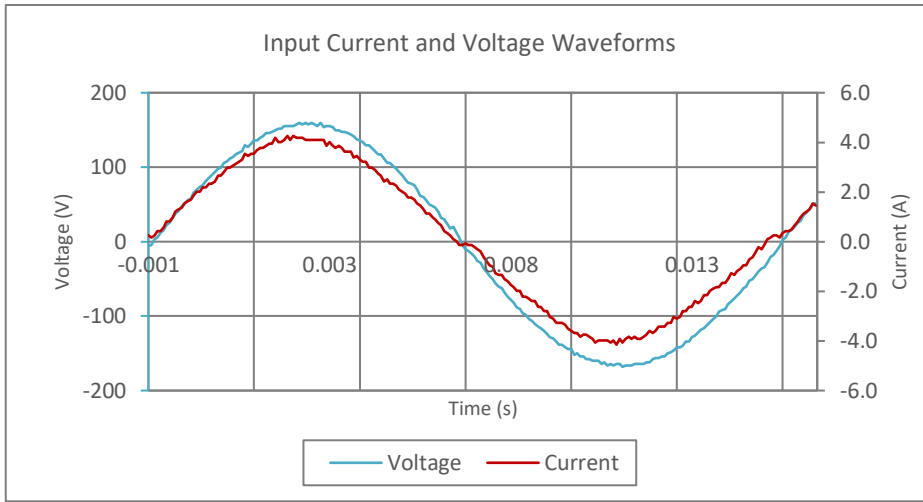
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	50-60	Hz
Rated Output Power	**550**	**Watts**

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

Input Current and Voltage Waveforms

Input AC Current Waveform (ITHD = 5.23%, 50% Load)

I_{RMS}	PF	I_{THD}	Load	Input Watts	12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5Vsb	Output Watts	Efficiency
					DC Terminal Voltage (V)/ DC Load Current (A)						
0.60	0.98	10.12%	10%	66.80	12.21/3.74	11.85/0.02	3.32/1.08	5.03/1.08	5.1/0.2	55.90	83.69%
1.12	0.99	8.53%	20%	127.97	12.2/7.47	11.83/0.05	3.32/2.17	5.03/2.17	5.09/0.41	111.92	87.46%
2.77	1.00	5.23%	50%	317.40	12.17/18.71	11.84/0.12	3.32/5.42	5.03/5.37	5.07/1.02	279.38	88.02%
5.79	0.99	9.73%	100%	662.50	12.13/37.24	11.8/0.25	3.33/10.86	5.03/10.74	5.03/2.05	555.00	83.77%

Input and Output Power

Efficiency of the Power Supply
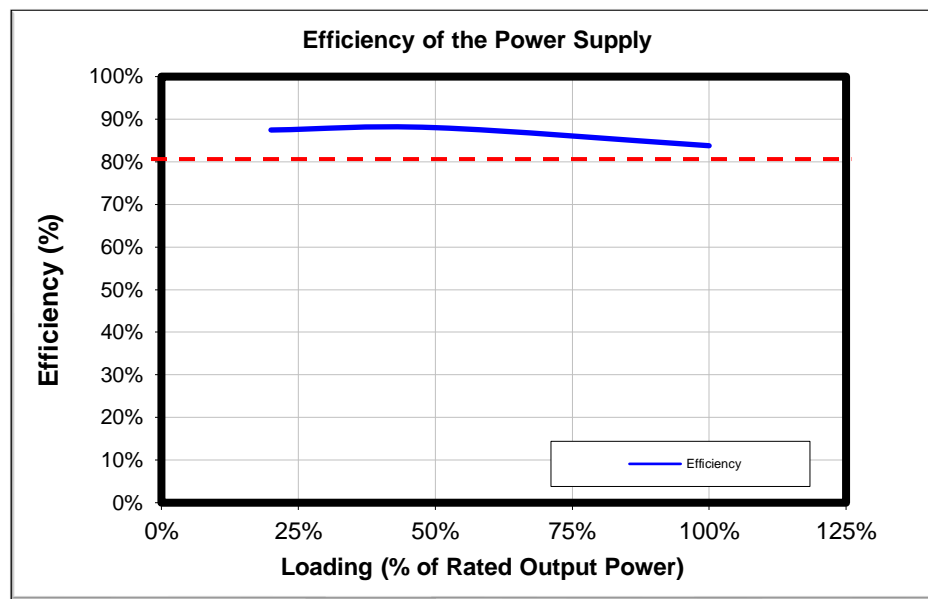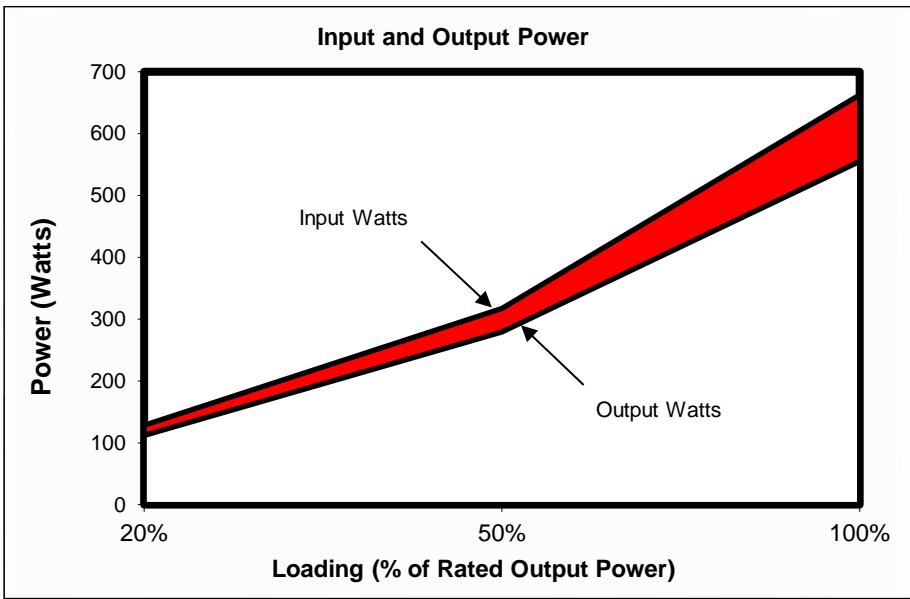
These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. *http://www.80plus.org/*