

80 PLUS Verification and Testing Report

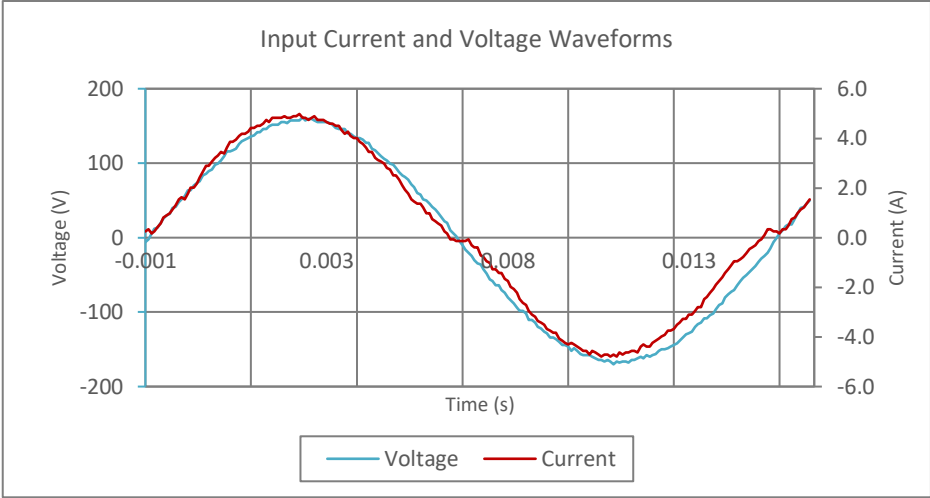
TYPICAL EFFICIENCY (50% Load):	87.92%
AVERAGE EFFICIENCY :	86.33%
80 PLUS COMPLIANT:	YES



ID Number	6772.3
Manufacturer	ASUS
Model Number	PRIME-650B-BLACK
Serial Number	N/A
Year	2022
Type	ATX12V
Test Date	2/4/22

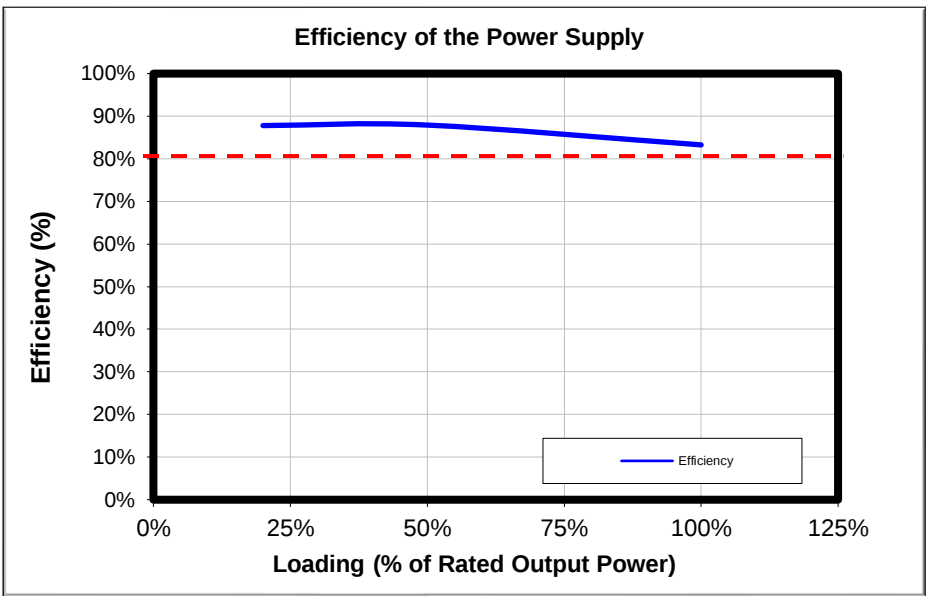
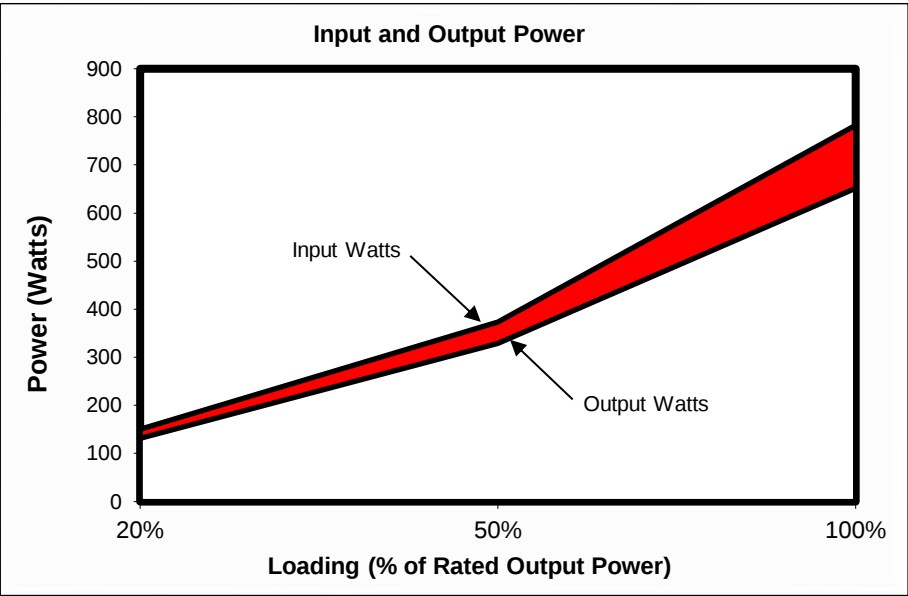
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 7.71%, 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		
0.69	0.98	12.85%	10%	78.01	12.15/4.55	11.78/0.03	3.3/1.11	5.03/1.11	5.11/0.21	65.94	84.52%
1.32	0.99	9.15%	20%	150.00	12.13/9.1	11.8/0.05	3.3/2.23	5.03/2.23	5.1/0.42	131.70	87.80%
3.26	1.00	7.71%	50%	373.60	12.1/22.79	11.82/0.13	3.3/5.56	5.03/5.51	5.07/1.04	328.47	87.92%
6.84	1.00	8.50%	100%	782.50	12.02/45.42	11.84/0.25	3.29/11.14	5.03/11.02	5.02/2.1	651.55	83.27%



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/>