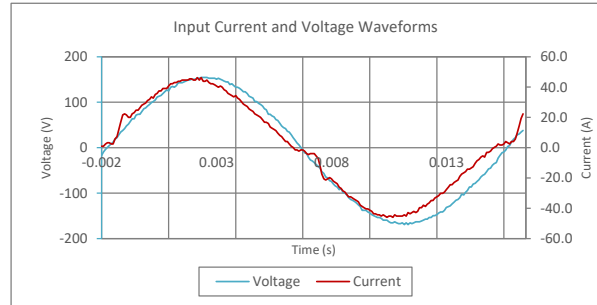


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	85.86%
AVERAGE EFFICIENCY :	84.32%
80 PLUS COMPLIANT:	YES



ID Number	5905
Manufacturer	Sharkoon Technologies GmbH
Model Number	SHP Bronze 600W
Serial Number	N/A
Year	2020
Type	ATX12V
Test Date	2/17/20

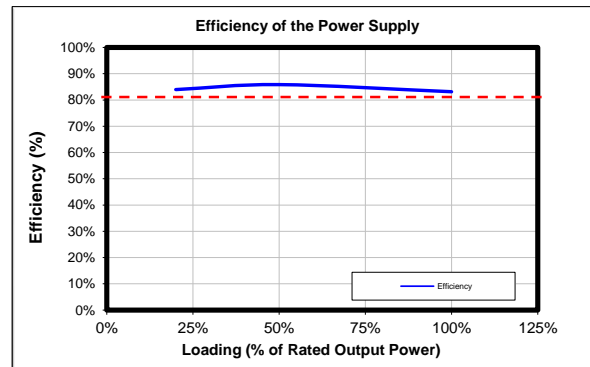
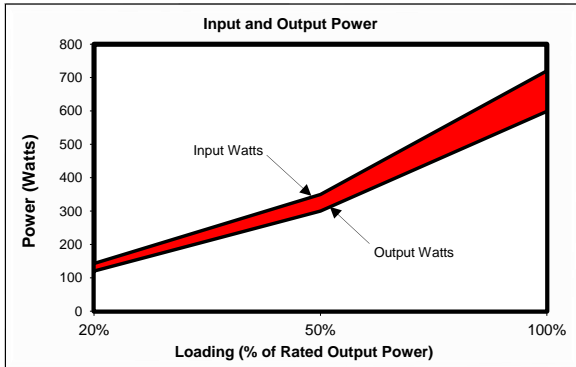


Input AC Current Waveform (ITHD = 8.4%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	47-63	Hz
Rated Output Power	600	Watts

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

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.)						
0.68	0.98	13.57%	10%	76.24	11.91/4.01	11.77/0.03	3.41/1.28	5.12/1.28	5.04/0.22	60.09	78.82%
1.29	0.97	15.41%	20%	143.10	11.9/8.02	11.81/0.05	3.41/2.57	5.11/2.55	5.04/0.44	120.15	83.96%
3.08	0.99	8.40%	50%	349.60	11.91/20.06	11.9/0.13	3.4/6.42	5.07/6.37	5.01/1.11	300.17	85.86%
6.30	0.99	6.43%	100%	720.30	11.93/40.05	12.14/0.27	3.38/12.85	5.01/12.7	4.98/2.22	598.91	83.15%



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/>

