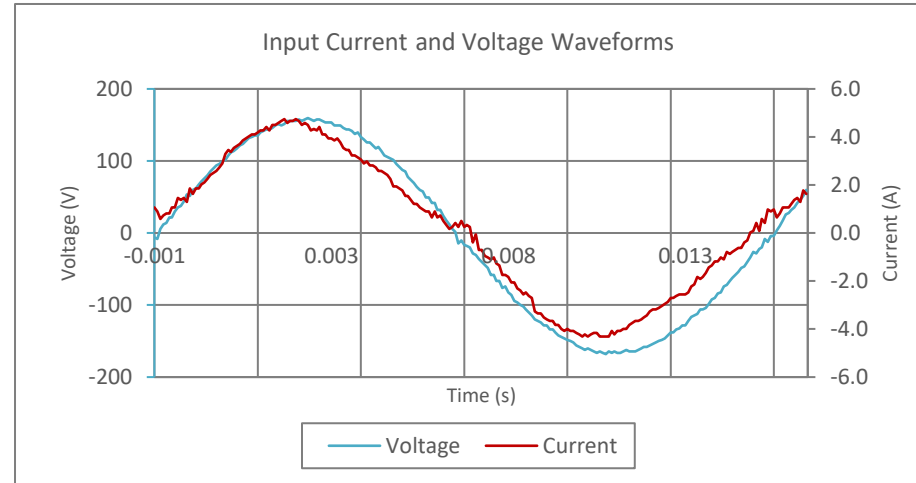


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	90.96%
AVERAGE EFFICIENCY :	89.44%
80 PLUS COMPLIANT:	YES



ID Number	5283
Manufacturer	Thermaltake Technology Co., Ltd.
Model Number	SP-600AH2NCG Toughpower GX1 600W
Serial Number	PSTPD0600NNFAGT1LD000043
Year	2018
Type	ATX12V, EPS12V, PS2
Test Date	4/20/18

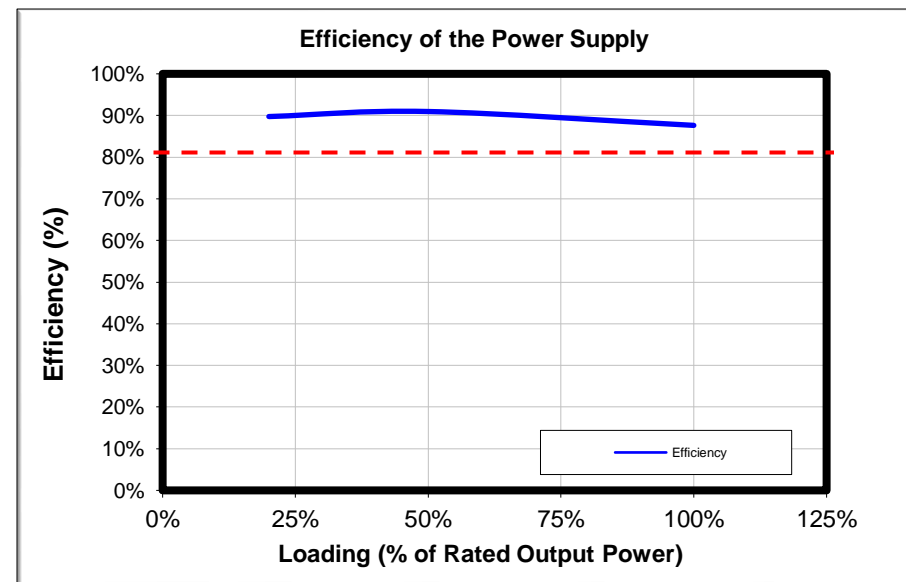
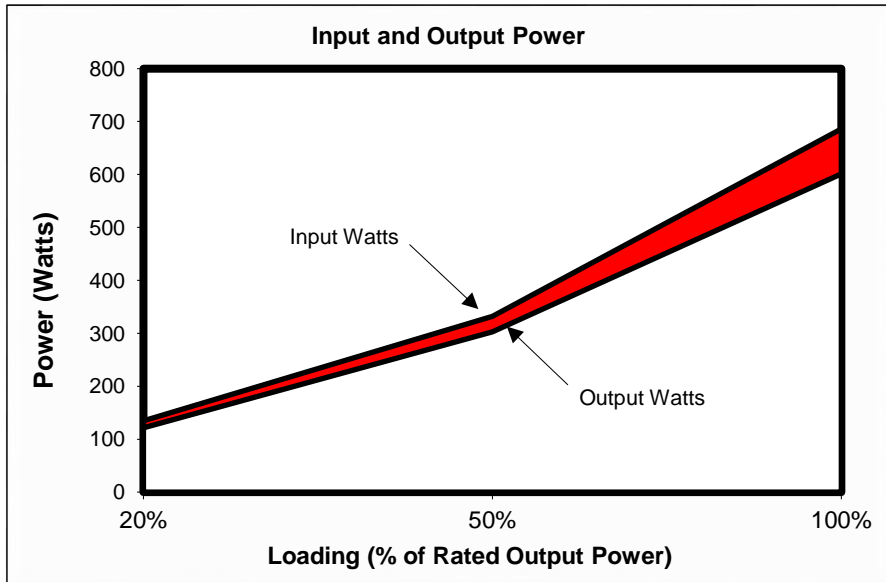


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	9	Amps
Input Frequency	47-63	Hz
Rated Output Power	600	Watts

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

Input AC Current Waveform (ITHD = 10.1%, 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
0.67	0.92	11.87%	10%	70.76	12.07/4.13	11.66/0.03	3.39/1.11	5.08/1.11	5.08/0.21	60.66	85.73%
1.21	0.97	12.68%	20%	134.96	12.05/8.26	11.68/0.05	3.38/2.23	5.07/2.22	5.07/0.42	121.12	89.75%
2.92	0.99	10.10%	50%	332.51	12.05/20.68	11.83/0.13	3.35/5.57	5.04/5.52	5.03/1.05	302.43	90.96%
6.03	0.99	10.45%	100%	686.10	12.01/41.28	12.33/0.25	3.29/11.15	4.99/11.03	4.98/2.1	601.22	87.63%



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/>

