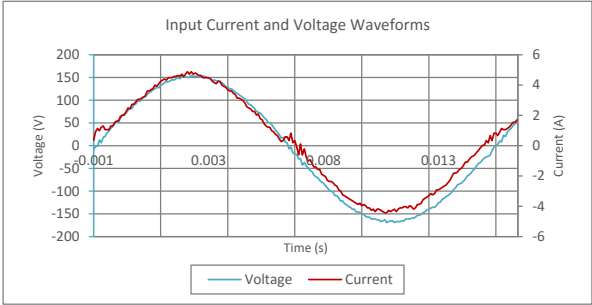


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	92.47%
AVERAGE EFFICIENCY :	91.30%
80 PLUS COMPLIANT:	YES



ID Number	5008
Manufacturer	HIGH POWER ELECTRONIC CO., LTD
Model Number	GP650B-OCPT
Serial Number	N/A
Year	2017
Type	ATX12V
Test Date	8/8/17

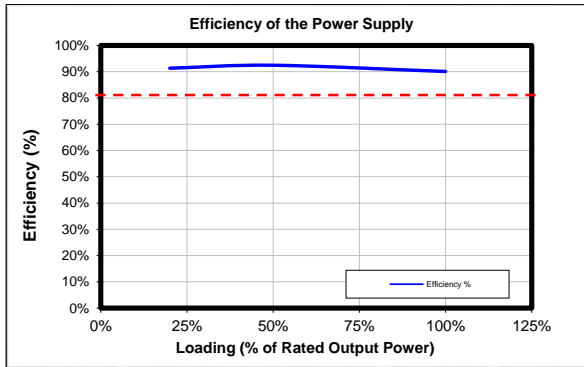
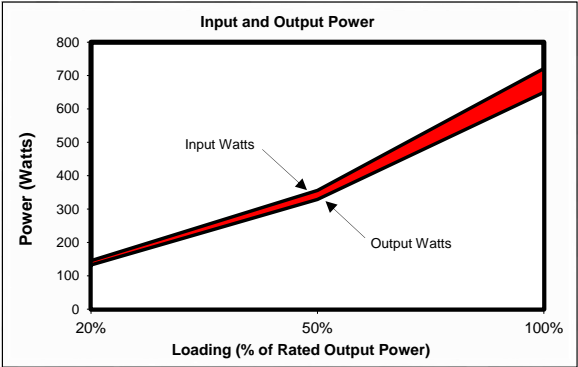


Input AC Current Waveform (ITHD = 5.465%, 50% Load)

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.

I _{RMS} A	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
0.86	0.77	16.89%	10%	75.76	12.24/4.45	11.82/0.02	3.36/1.18	5.01/1.18	5.01/0.33	66.20	87.38%
1.50	0.84	13.36%	20%	145.30	12.22/8.92	11.53/0.05	3.35/2.37	5.01/2.36	4.99/0.66	132.71	91.34%
3.25	0.95	5.47%	50%	355.85	12.15/22.27	11.79/0.12	3.32/5.93	4.98/5.87	4.95/1.64	329.05	92.47%
6.36	0.99	4.99%	100%	721.15	12.06/44.26	12.06/0.25	3.28/11.86	4.93/11.71	4.86/3.28	649.70	90.09%



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/>

