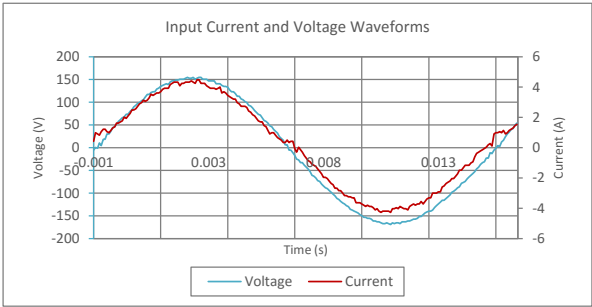


# 80 PLUS Verification and Testing Report



<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>90.65%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>89.38%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>ID Number</b>	5005
<b>Manufacturer</b>	HIGH POWER ELECTRONIC CO., LTD.
<b>Model Number</b>	GP600B- HP+
<b>Serial Number</b>	NA
<b>Year</b>	2017
<b>Type</b>	ATX12V
<b>Test Date</b>	7/27/17

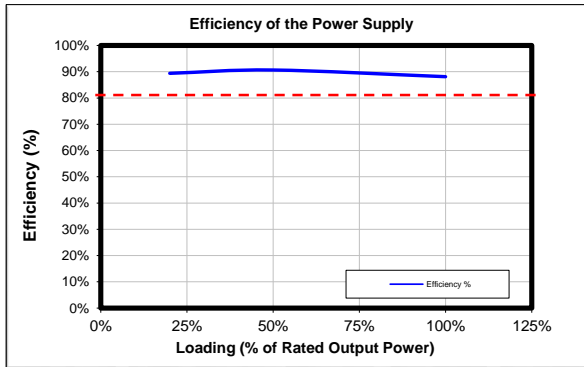
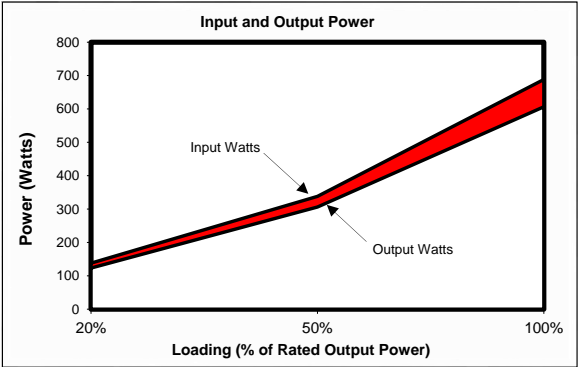


Input AC Current Waveform (ITHD = 5.02%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>600</b>	<b>Watts</b>

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

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	Load (%)	Input Watts	DC Terminal Voltage (V) DC Load Current (A)				Output Watts	Efficiency %	
					12V (cumulative of 12V1, 12V2, etc.)						
0.66	0.98	7.35%	10%	71.07	12.3/4.15	-12V	3.3V	5V	5Vsb	61.42	86.42%
1.24	0.98	6.48%	20%	137.84	12.28/8.33	11.47/0.02	3.35/1.05	5.11/1.05	5.18/0.25	123.22	89.39%
2.95	1.00	5.02%	50%	337.95	12.24/20.81	11.52/0.05	3.35/2.1	5.1/2.09	5.17/0.5	306.35	90.65%
5.99	1.00	4.64%	100%	688.37	12.16/41.44	11.78/0.12	3.33/5.25	5.08/5.2	5.14/1.24	606.56	88.12%



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/>

