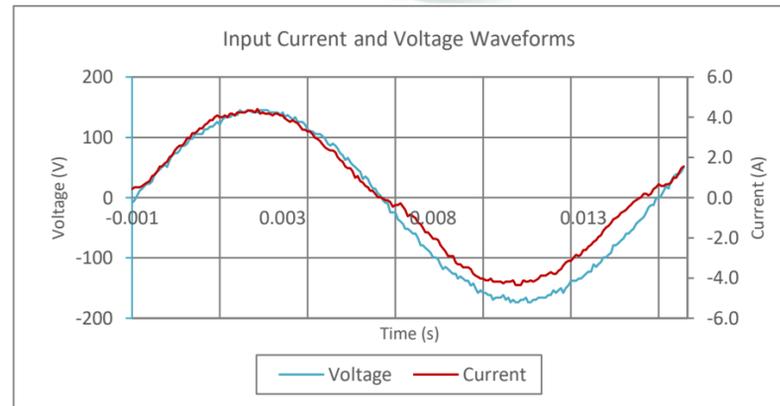


# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>91.10%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>90.05%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	5578
<b>Manufacturer</b>	HIGH POWER ELECTRONIC CO., LTD.
<b>Model Number</b>	HP1-J600GD-F12S (C)
<b>Serial Number</b>	N/A
<b>Year</b>	2019
<b>Type</b>	ATX12V
<b>Test Date</b>	6/20/19

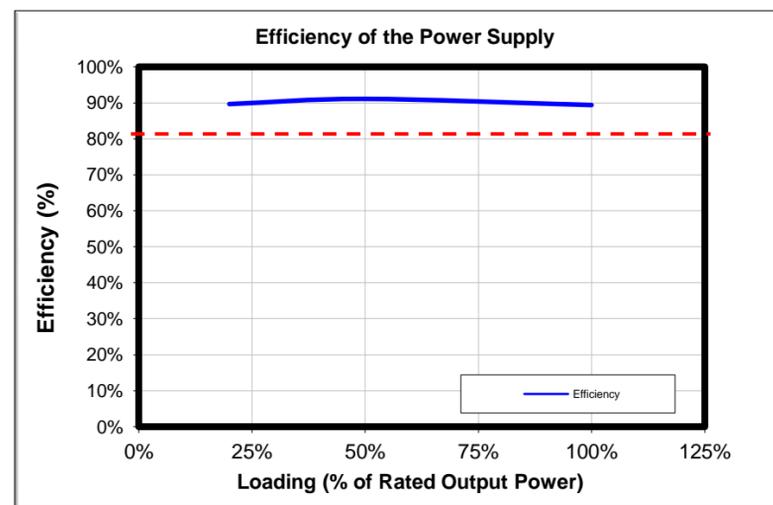
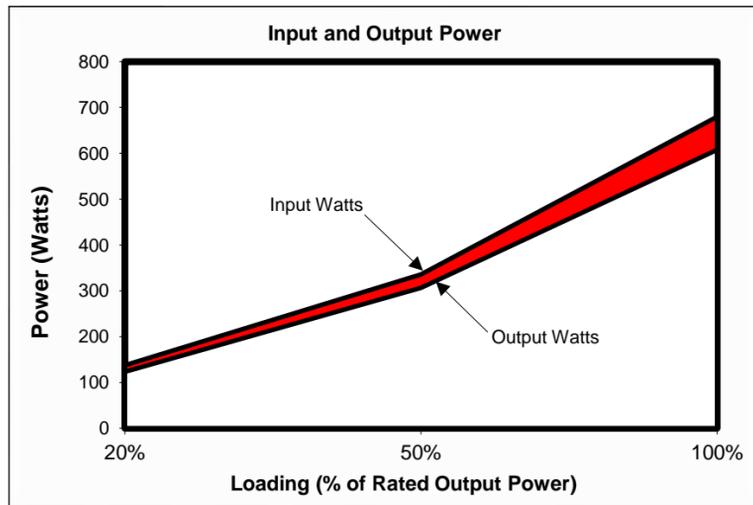


Input AC Current Waveform (ITHD = 7.31%, 50% Load)

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>	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.)	-12V	3.3V	5V	5Vsb		
0.65	0.97	14.55%	10%	72.39	12.29/4.15	11.9/0.02	3.36/1.05	5.08/1.05	5.16/0.25	61.42	84.84%
1.21	0.99	11.82%	20%	137.40	12.28/8.34	11.91/0.05	3.35/2.1	5.07/2.09	5.14/0.5	123.19	89.66%
2.93	1.00	7.31%	50%	336.00	12.23/20.83	11.67/0.12	3.33/5.24	5.04/5.2	5.09/1.24	306.09	91.10%
5.93	1.00	6.99%	100%	679.90	12.18/41.57	11.84/0.25	3.28/10.5	5/10.39	5/2.49	607.74	89.39%



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/>

