

# 80 PLUS Verification and Testing Report

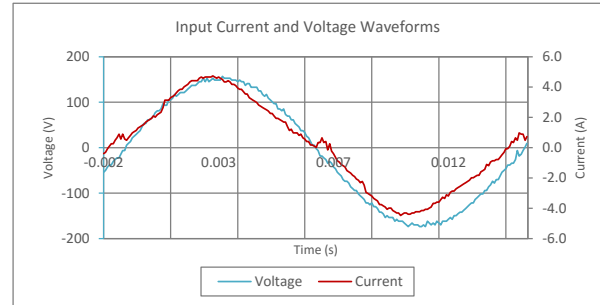
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>90.77%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>89.15%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	5270
<b>Manufacturer</b>	Channel Well
<b>Model Number</b>	GPS600S-G
<b>Serial Number</b>	N/A
<b>Year</b>	2018
<b>Type</b>	ATX12V
<b>Test Date</b>	3/27/18

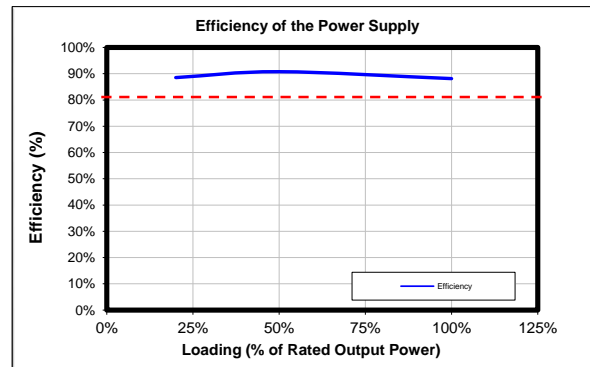
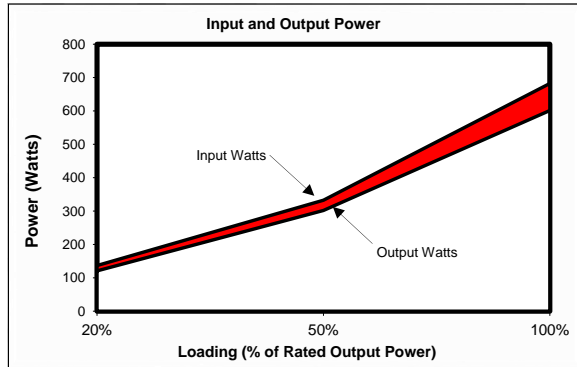
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	9	Amps
Input Frequency	47-63	Hz
<b>Rated Output Power</b>	<b>600</b>	<b>Watts</b>

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



Input AC Current Waveform (I<sub>THD</sub> = 11.68%, 50% Load)

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		
0.68	0.93	12.65%	10%	72.20	12.05/4.12	11.57/0.03	3.38/1.11	5.07/1.11	5.09/0.21	60.47	83.76%
1.23	0.97	12.79%	20%	136.60	12.05/8.25	11.58/0.05	3.37/2.23	5.06/2.22	5.08/0.42	120.93	88.53%
2.93	0.99	11.68%	50%	332.90	12.04/20.68	11.69/0.13	3.34/5.57	5.04/5.52	5.05/1.05	302.19	90.77%
5.99	0.99	10.71%	100%	682.40	12.02/41.28	12.15/0.25	3.28/11.15	5/11.03	5.01/2.1	601.48	88.14%



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/>

