

# 80 PLUS Verification and Testing Report

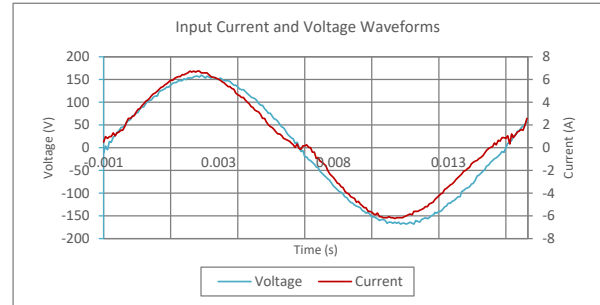
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>90.97%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>89.87%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	4947.1
<b>Manufacturer</b>	Ryantek CO, LTD.
<b>Model Number</b>	PH-P850GC
<b>Serial Number</b>	NA
<b>Year</b>	2017
<b>Type</b>	ATX12V,EPS12V
<b>Test Date</b>	5/17/17

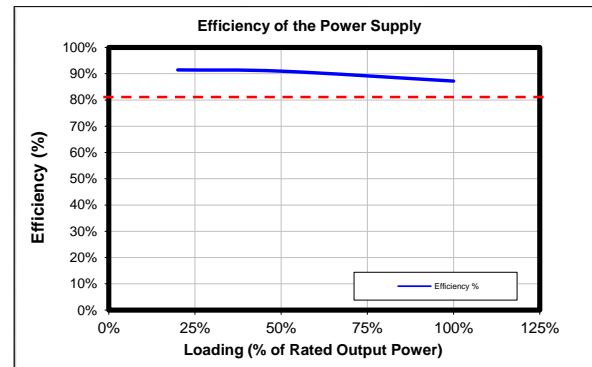
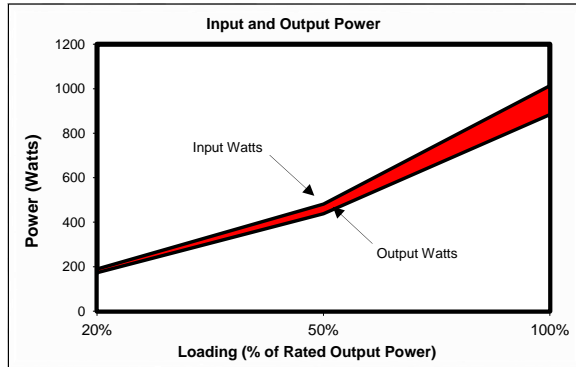
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12-6	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>850</b>	<b>Watts</b>

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



Input AC Current Waveform (I<sub>THD</sub> = 10.39%, 50% Load)

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.)	-12V	3.3V	5V	5Vsb		
0.89	0.95	7.36%	10%	97.30	12.13/6.21	12.18/0.03	3.32/1.07	5.02/1.07	5.13/0.27	85.99	88.37%
1.68	0.98	8.22%	20%	189.40	12.2/12.46	12.21/0.05	3.33/2.14	5.02/2.13	5.11/0.53	173.20	91.45%
4.23	0.99	10.39%	50%	481.30	12.36/31.18	12.29/0.13	3.3/5.35	5.02/5.3	5.07/1.33	437.85	90.97%
8.87	0.99	9.54%	100%	1013.40	12.56/62	13/0.27	3.31/10.69	5.02/10.57	5.01/2.66	883.65	87.20%



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/>

