

## 80 PLUS Verification and Testing Report

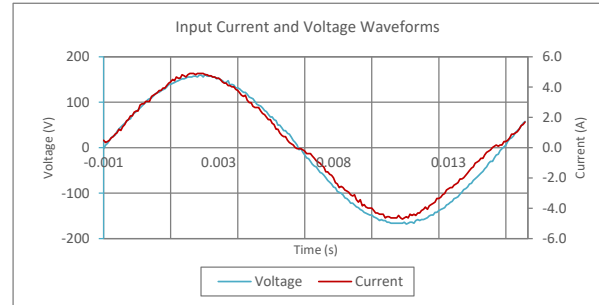
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>84.60%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>82.67%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	5460.1
<b>Manufacturer</b>	itek International
<b>Model Number</b>	ITPSEWN600
<b>Serial Number</b>	N/A
<b>Year</b>	2019
<b>Type</b>	ATX12V
<b>Test Date</b>	1/10/19

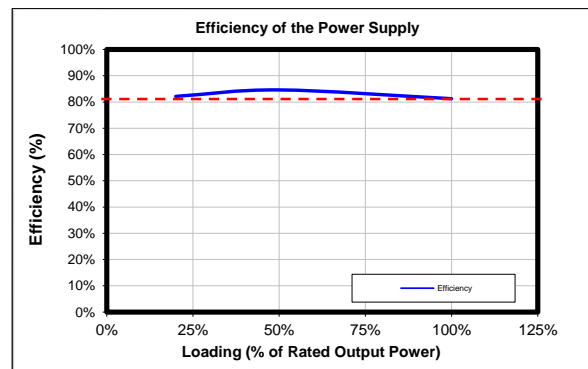
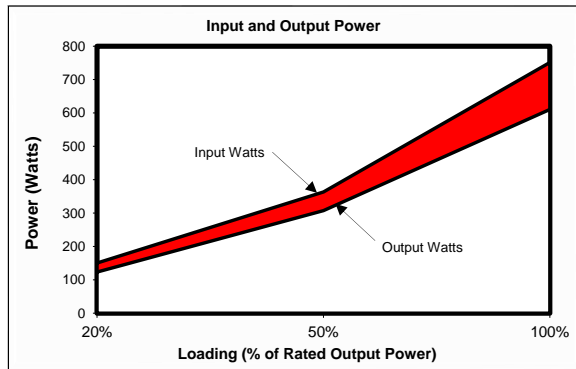
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	63-47	Hz
<b>Rated Output Power</b>	<b>600</b>	<b>Watts</b>

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



Input AC Current Waveform (THD = 7.09%, 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		
0.75	0.94	16.65%	10%	80.90	12.26/4.31	12.07/0.03	3.41/0.83	5.15/0.83	5.16/0.26	61.66	76.22%
1.35	0.97	9.47%	20%	150.20	12.25/8.64	12.08/0.05	3.4/1.66	5.15/1.66	5.18/0.52	123.37	82.14%
3.18	0.99	7.09%	50%	363.20	12.23/21.57	12.11/0.13	3.38/4.13	5.16/4.11	5.15/1.29	307.26	84.60%
6.58	0.99	9.71%	100%	751.30	12.18/43.02	12.17/0.26	3.35/8.29	5.16/8.2	5.1/2.58	610.52	81.26%



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/>

