

# 80 PLUS Verification and Testing Report

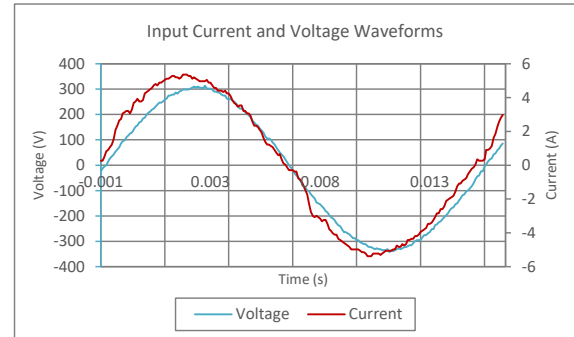
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>94.36%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>93.25%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	SO-1482
<b>Manufacturer</b>	Flextronics Sales & Marketing (A-P) Ltd
<b>Model Number</b>	FPS-S-1600ADU00
<b>Serial Number</b>	N/A
<b>Year</b>	2018
<b>Type</b>	1U
<b>Test Date</b>	12/18/18

Rated Specifications	Value	Units
Input Voltage	100-127 / 200-240	Volts
Input Current	11/9.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	1,600	Watts

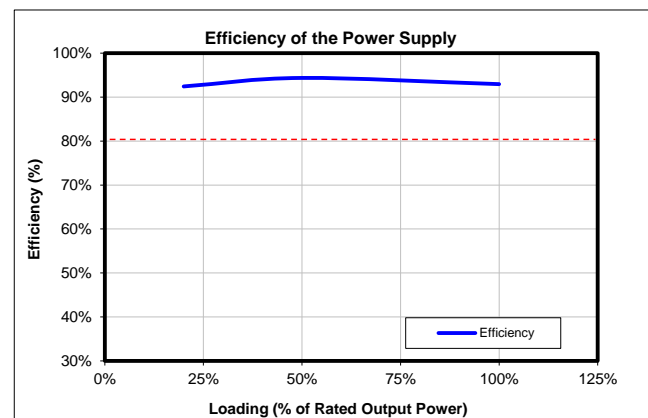
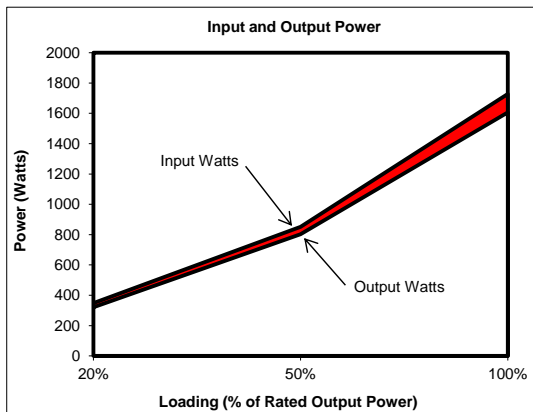
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 5.38%, 50% Load)

I <sub>RMS</sub>	PF	I <sub>THD</sub>	Load	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency
							12V	12Vsb		
0.88	0.93	15.00%	10%	Low	189	2.64	12.02/13.06	12.11/0.3	161	85.15%
1.56	0.97	11.66%	20%	Light	348	2.88	12.02/26.14	12.08/0.59	321	92.43%
3.75	0.99	5.38%	50%	Typical	851	3.48	12.02/65.35	11.98/1.48	803	94.36%
7.59	0.99	4.67%	100%	Full	1728	7.44	12.02/130.69	11.82/2.96	1606	92.95%

\* Fan power is not included in the efficiency calculations



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/>

