

80 PLUS Verification and Testing Report

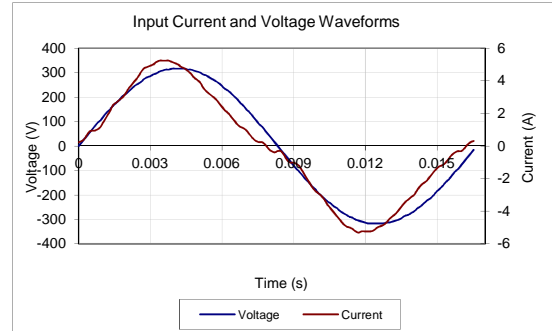
TYPICAL EFFICIENCY (50% Load):	92.42%
AVERAGE EFFICIENCY :	91.12%
80 PLUS COMPLIANT:	YES



Ecos ID #	SO-995
Manufacturer	Martek Power, Inc.
Model Number	PS2571-Y
Serial Number	000060-3215
Year	2015
Type	1U
Test Date	10/28/15

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	16	Amps
Input Frequency	60/50	Hz
Rated Output Power	1,500	Watts

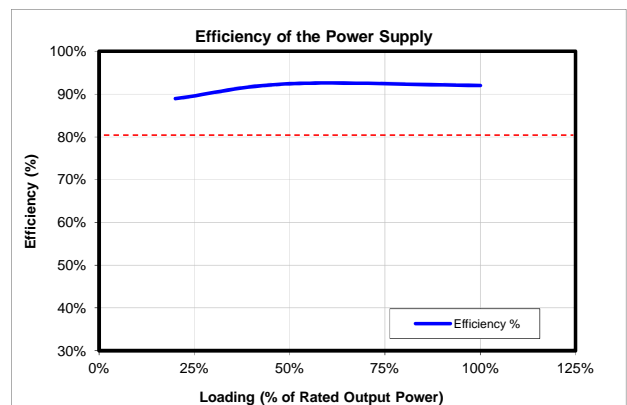
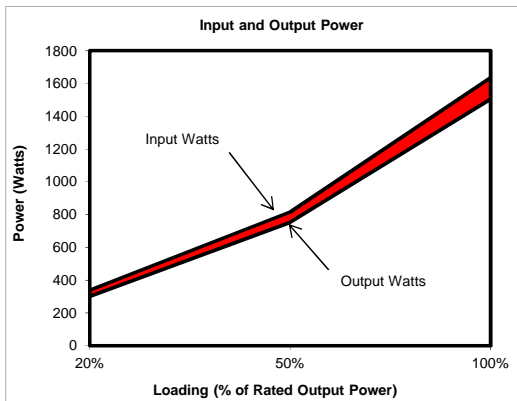
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 16.3%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	Load (%)	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)	Output Watts	Efficiency %
							50V		
0.86	0.93	30.45	10%	Low	184	2.54	50.06/3.02	151	82.29%
1.54	0.96	22.28	20%	Light	339	2.54	50.05/6.03	302	88.93%
3.62	0.98	16.30	50%	Typical	814	2.54	50.05/15.04	753	92.42%
7.21	0.99	13.45	100%	Full	1636	2.68	50.01/30.09	1505	92.00%

* 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/>

