

# 80 PLUS Verification and Testing Report

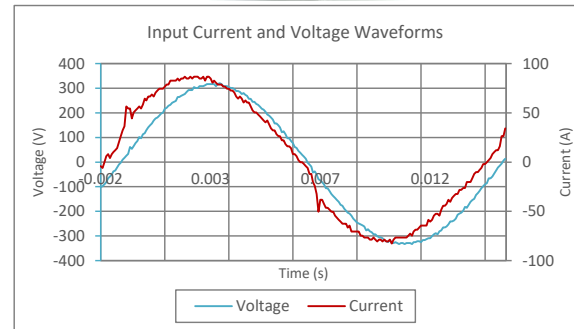
**TYPICAL EFFICIENCY (50% Load):** 92.54%  
**AVERAGE EFFICIENCY :** 91.12%  
**80 PLUS COMPLIANT:** YES



ID Number	SO-1562
Manufacturer	Vapex
Model Number	PSR2500-12AHD
Serial Number	N/A
Year	2019
Type	3U
Test Date	06/25/19

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	16	Amps
Input Frequency	50/60	Hz
Rated Output Power	2,500	Watts

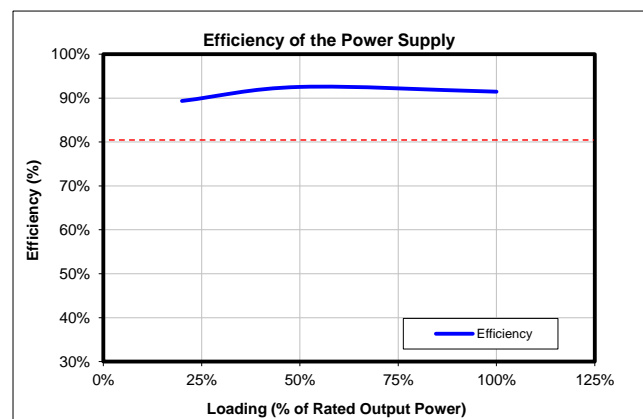
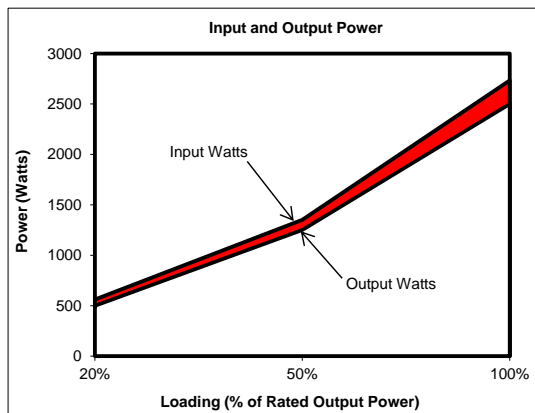
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 7.16%, 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		
1.53	0.89	22.73%	10%	Low	313	3.72	12/20.85	250	79.96%
2.56	0.95	15.73%	20%	Light	560	3.60	12/41.7	500	89.35%
5.95	0.99	7.16%	50%	Typical	1351	3.96	12/104.23	1251	92.54%
11.93	1.00	4.28%	100%	Full	2734	10.92	11.99/208.47	2500	91.46%

\* 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/>

