

80 PLUS Verification and Testing Report

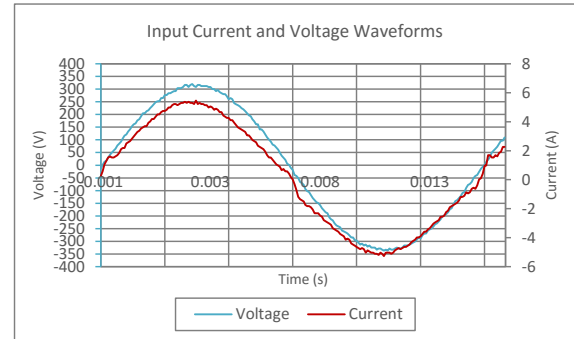
TYPICAL EFFICIENCY (50% Load):	96.33%
AVERAGE EFFICIENCY :	95.51%
80 PLUS COMPLIANT:	YES



ID Number	SO-1291
Manufacturer	Murata Power Solutions, Inc
Model Number	MPS8176
Serial Number	NA7500005XB4
Year	2017
Type	CUSTOM
Test Date	07/14/17

Rated Specifications	Value	Units
Input Voltage	100-120 / 200-240	Volts
Input Current	18 / 9	Amps
Input Frequency	50/60	Hz
Rated Output Power	1,600	Watts

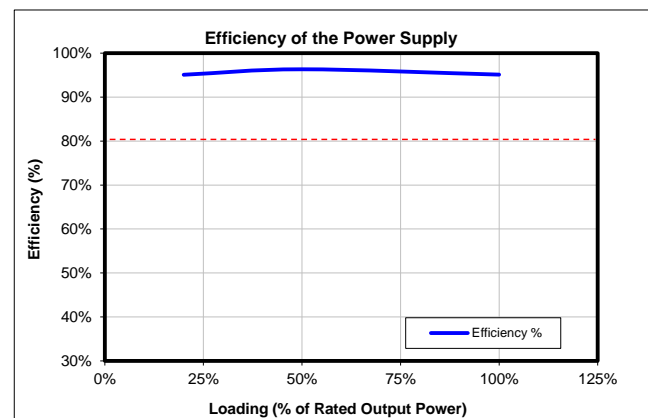
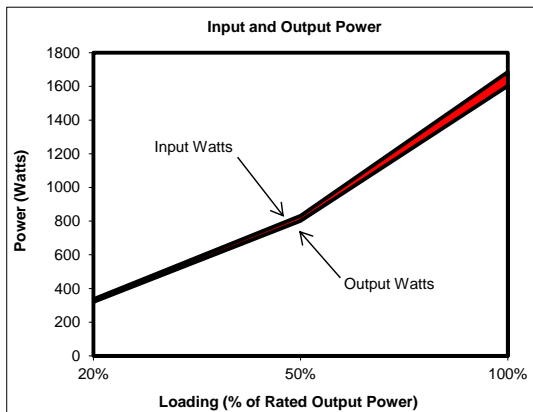
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 4.01%, 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 %
							12V	12Vsb		
0.84	0.90	15.30	10%	Low	174	0.84	11.99/13.03	11.98/0.34	160	92.36%
1.54	0.95	5.74	20%	Light	337	0.84	12.00/26.05	11.97/0.69	321	95.09%
3.64	0.99	4.01	50%	Typical	832	2.40	12.00/65.1	11.94/1.72	802	96.33%
7.36	1.00	3.18	100%	Full	1685	4.92	12.00/130.02	11.87/3.43	1603	95.12%

* 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/>

