

80 PLUS Verification and Testing Report

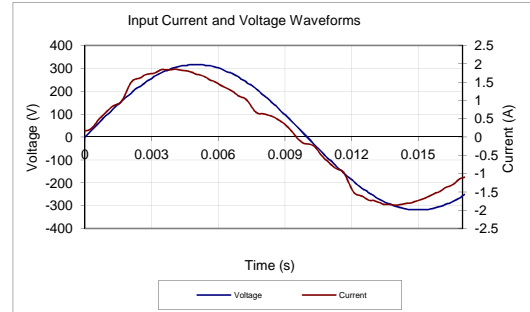
TYPICAL EFFICIENCY (50% Load):	86.57%
AVERAGE EFFICIENCY :	85.01%
80 PLUS COMPLIANT:	YES



Ecos ID #	EU-010
Manufacturer	POWEREX Co.,Ltd
Model Number	REX-500Q
Serial Number	PR56D1403030043
Year	2014
Type	ATX12V
Test Date	5/9/14

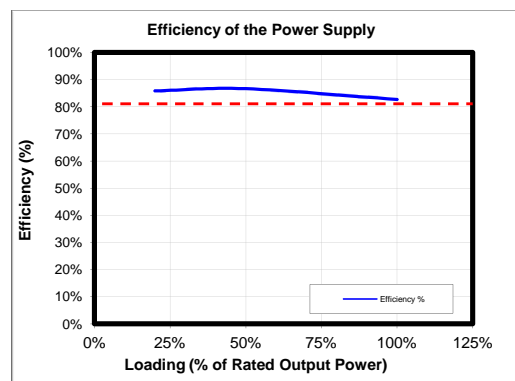
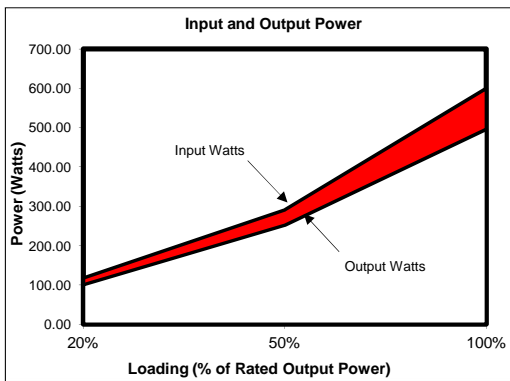
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	5	Amps
Input Frequency	50/60	Hz
Rated Output Power	500	Watts

Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.



Input AC Current Waveform (ITHD = 10.09%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	Load (%)	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency %
					12V (cumulative of 12V1, 12V2, etc.)		-12V	3.3V	5V		
0.42	0.64	71.58%	10%	62.26	12/3.4	11.7/0	3.4/1	5.2/1	5.1/0.2	50.41	80.96%
0.59	0.87	45.54%	20%	117.73	12.1/6.7	11.8/0.1	3.4/2.1	5.1/2.1	5.1/0.3	100.98	85.77%
1.29	0.98	10.09%	50%	291.40	12.1/16.7	12/0.1	3.3/5.2	5.1/5.2	5.1/0.8	252.27	86.57%
2.64	0.99	9.33%	100%	600.50	12/33.2	12.2/0.3	3.3/10.5	5/10.4	5/1.7	496.44	82.67%



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/>

