

80 PLUS Verification and Testing Report

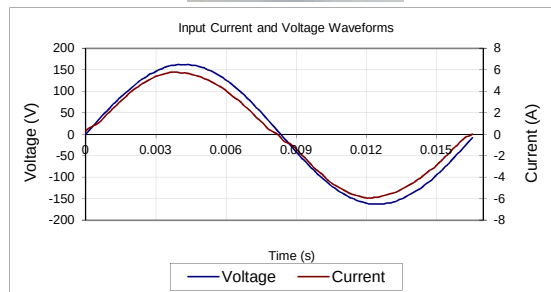
TYPICAL EFFICIENCY (50% Load):	90.77%
AVERAGE EFFICIENCY :	89.61%
80 PLUS COMPLIANT:	YES



Ecos ID #	4429
Manufacturer	Corsair
Model Number	RPS0017 (CP-9020093) (RM850x)
Serial Number	15307147000017620001
Year	2015
Type	ATX12V
Test Date	8/19/15

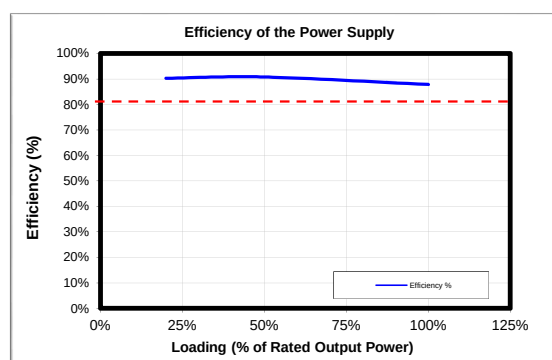
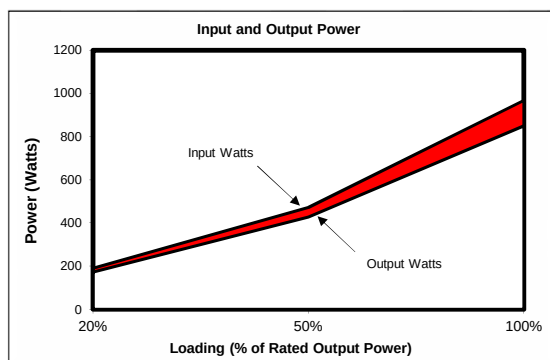
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12-6	Amps
Input Frequency	47-63	Hz
Rated Output Power	850	Watts

Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.



Input AC Current Waveform (ITHD = 4.79%, 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	5Vsb		
0.91	0.95	5.55%	10%	99.73	12.1/5.89	12.22/0.07	3.32/1.5	5.05/1.5	5.04/0.25	85.92	86.15%
1.68	0.99	4.61%	20%	190.23	12.08/11.8	12.23/0.13	3.32/3	5.05/2.98	5.04/0.5	171.66	90.24%
4.11	1.00	4.79%	50%	471.30	12.05/29.46	12.24/0.33	3.32/7.5	5.05/7.44	5.03/1.24	427.78	90.77%
8.44	1.00	5.86%	100%	967.60	12/58.75	12.28/0.66	3.32/14.93	5.05/14.86	5.02/2.49	849.79	87.82%



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/>

