

80 PLUS Verification and Testing Report

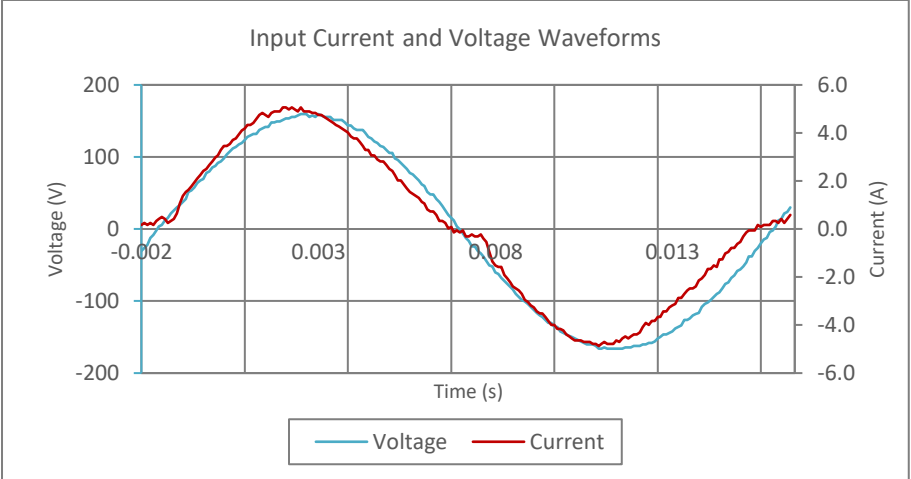
TYPICAL EFFICIENCY (50% Load):	90.17%
AVERAGE EFFICIENCY :	88.97%
80 PLUS COMPLIANT:	YES



ID Number	5407
Manufacturer	Corsair
Model Number	RPS0105 (CP-9020175) (Vengeance 650M)
Serial Number	18249896000061210209
Year	2018
Type	ATX12V
Test Date	10/16/18

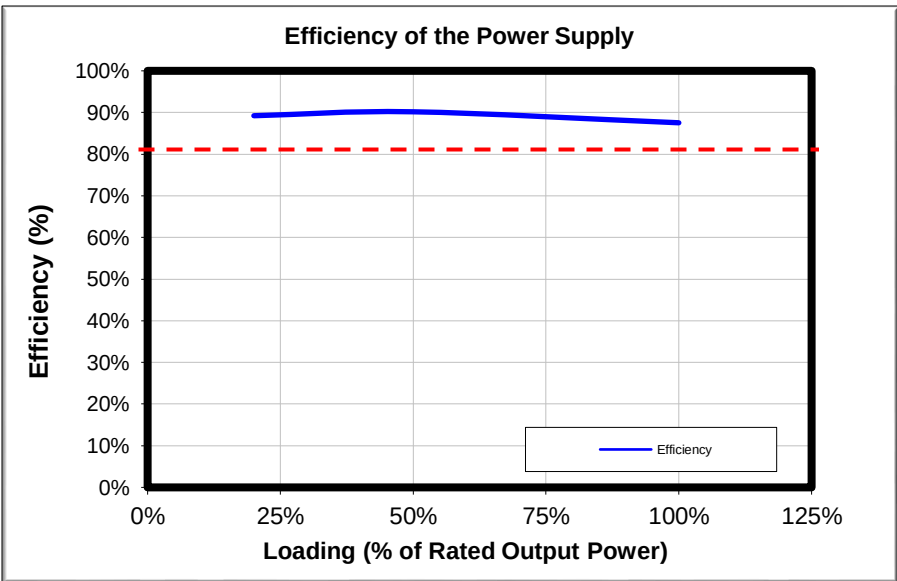
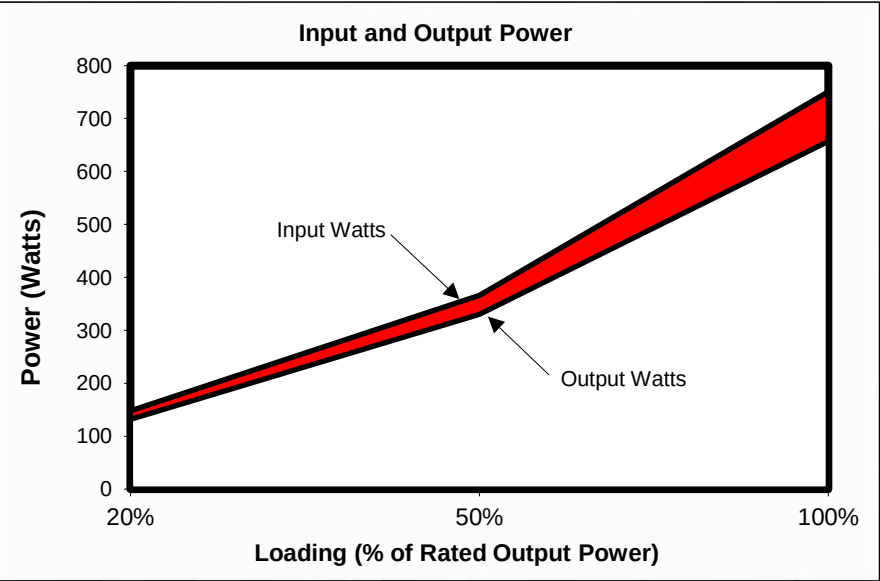
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	47-63	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 10.77%, 50% Load)

I _{RMS}	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		
0.69	0.97	15.81%	10%	77.35	12.2/4.59	12.1/0.03	3.33/1.16	5/0.93	5.03/0.25	66.16	85.53%
1.31	0.98	13.86%	20%	148.18	12.19/9.19	12.09/0.05	3.33/2.32	4.99/1.85	5.02/0.51	132.21	89.22%
3.22	0.99	10.77%	50%	366.30	12.17/23.01	12.08/0.13	3.33/5.81	4.98/4.61	5/1.27	330.28	90.17%
6.58	0.99	9.98%	100%	750.80	12.13/45.97	12.11/0.25	3.32/11.63	4.95/9.2	4.97/2.54	657.15	87.53%



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/>

