

80 PLUS Verification and Testing Report

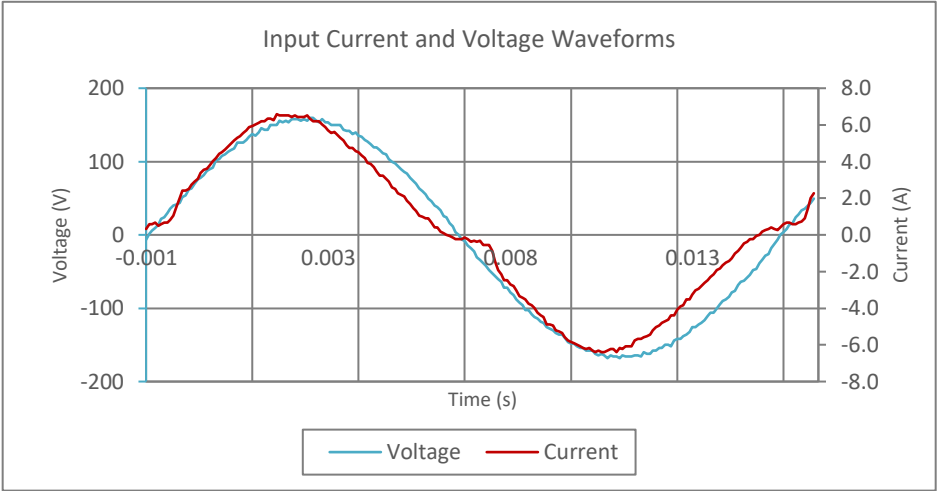
TYPICAL EFFICIENCY (50% Load):	91.35%
AVERAGE EFFICIENCY :	89.99%
80 PLUS COMPLIANT:	YES



ID Number	6787
Manufacturer	Corsair
Model Number	RPS0157(CP-9020249)(RM850e)
Serial Number	N/A
Year	2022
Type	ATX12V
Test Date	3/8/22

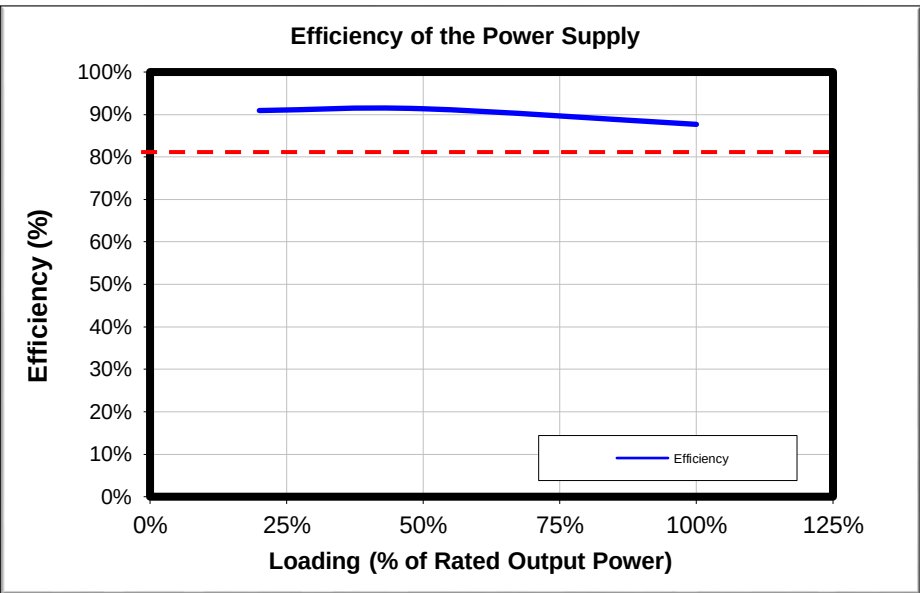
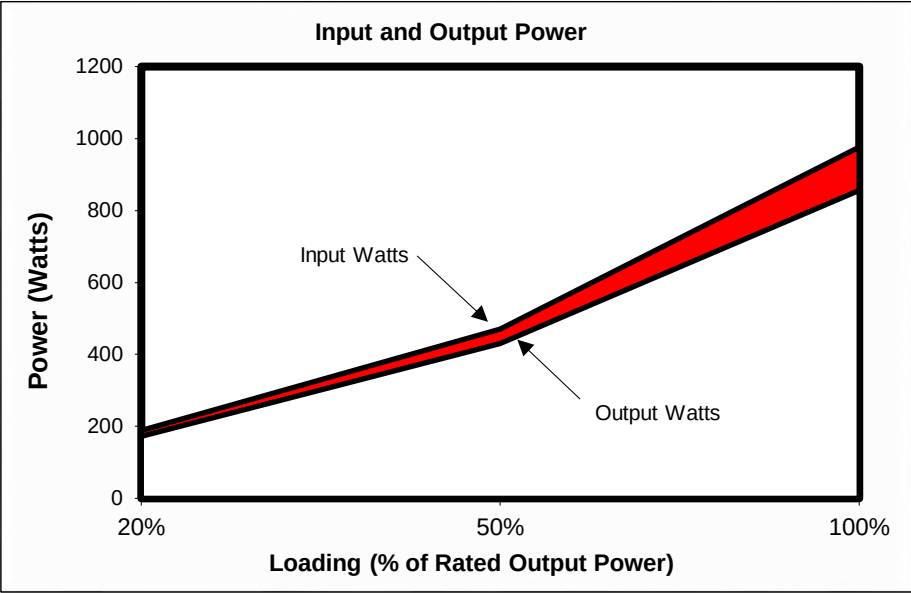
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	47-63	Hz
Rated Output Power	850	Watts

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



Input AC Current Waveform (ITHD = 13.07%, 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		
0.89	0.97	16.56%	10%	98.88	12.13/5.92	12.11/0.03	3.3/1.51	5.03/1.51	5.01/0.25	85.95	86.92%
1.69	0.97	17.49%	20%	189.30	12.13/11.86	12.12/0.05	3.3/3.01	5.03/3.01	5.01/0.5	172.13	90.93%
4.16	0.98	13.07%	50%	470.60	12.11/29.7	12.14/0.13	3.29/7.54	5.02/7.47	4.99/1.25	429.90	91.35%
8.55	0.99	8.68%	100%	976.20	12.08/59.25	12.16/0.25	3.29/15.11	5.03/14.95	4.96/2.5	855.95	87.68%



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/>