

80 PLUS Verification and Testing Report

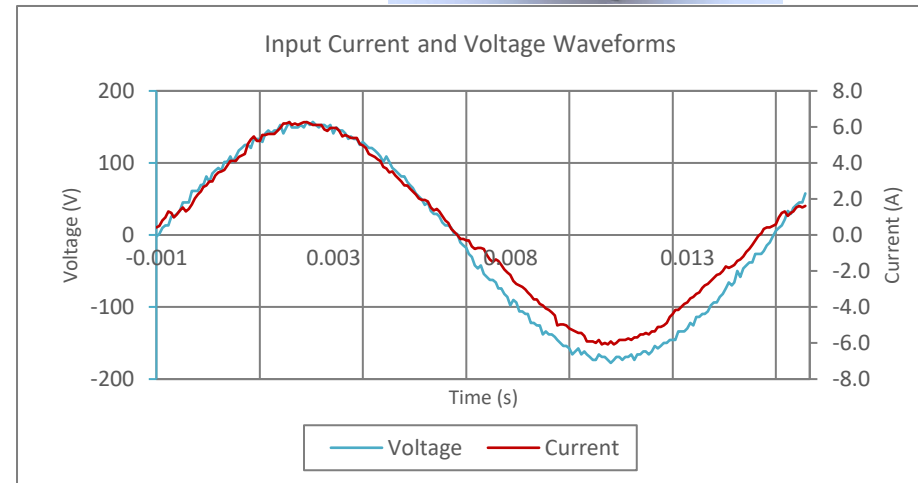
TYPICAL EFFICIENCY (50% Load):	92.64%
AVERAGE EFFICIENCY :	91.28%
80 PLUS COMPLIANT:	YES



ID Number	6454
Manufacturer	Corsair
Model Number	RPS0130 (CP-9020213) (HX850)
Serial Number	N/A
Year	2021
Type	ATX12V
Test Date	2/23/21

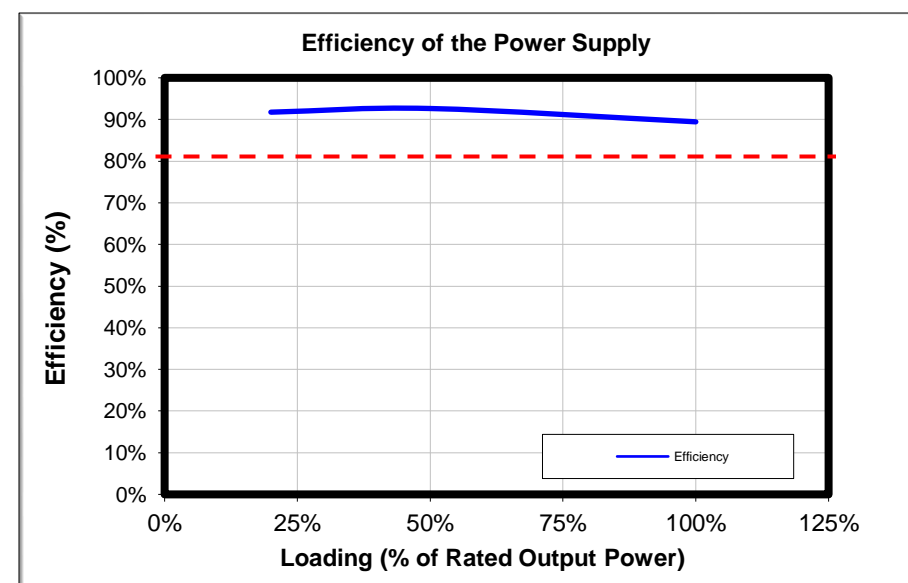
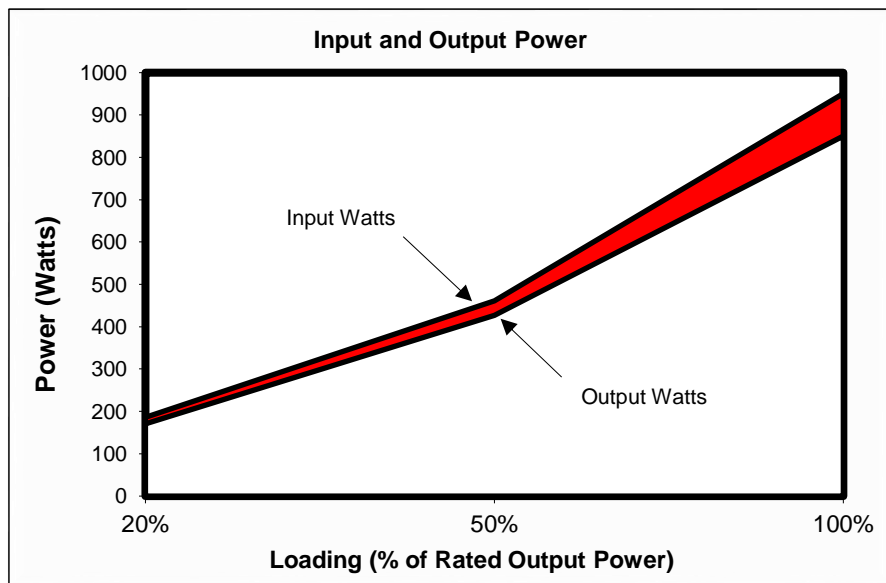
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	47-63	Hz
Rated Output Power	850	Watts

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



Input AC Current Waveform (ITHD = 7.41%, 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
0.99	0.85	10.25%	10%	97.20	12.04/5.92	12.35/0.03	3.29/1.51	5.04/1.51	5.04/0.25	85.40	87.86%
1.72	0.94	10.40%	20%	186.40	12.03/11.87	12.36/0.05	3.29/3.01	5.04/3	5.04/0.5	171.03	91.75%
4.05	0.99	7.41%	50%	461.10	12.01/29.71	12.39/0.13	3.29/7.55	5.04/7.47	5.02/1.25	427.16	92.64%
8.49	0.97	6.06%	100%	950.70	11.96/59.37	12.4/0.25	3.29/15.11	5.03/14.94	5/2.5	850.29	89.44%



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/>