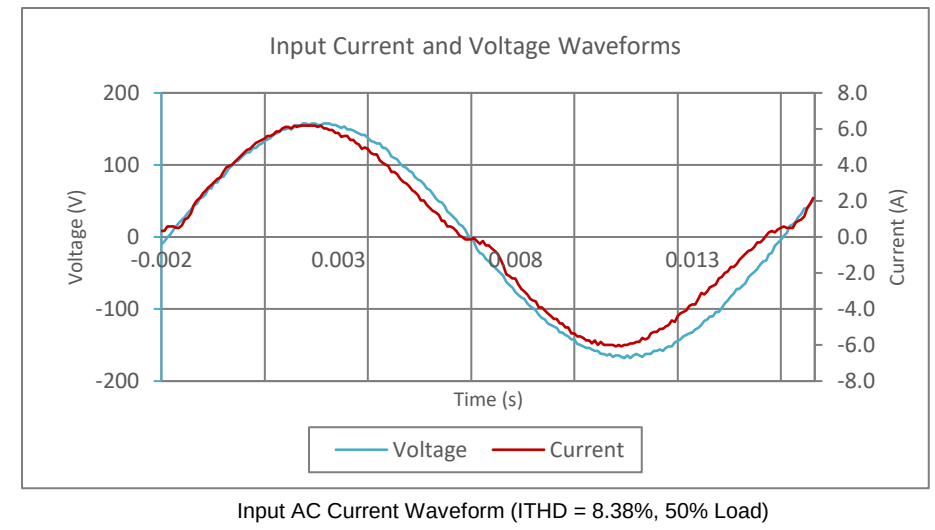
80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	**91.16%**
AVERAGE EFFICIENCY :	**90.10%**
80 PLUS COMPLIANT:	**YES**

ID Number	6112
Manufacturer	Corsair
Model Number	RPS0124 (CP-9020200) (RM850x)
Serial Number	20277137000038980006
Year	2020
Type	ATX12V
Test Date	9/23/20

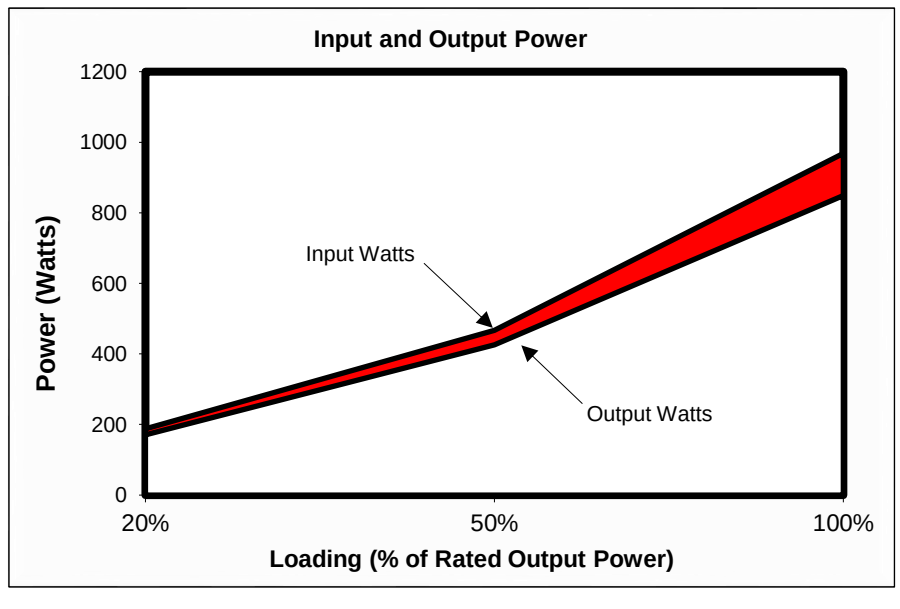


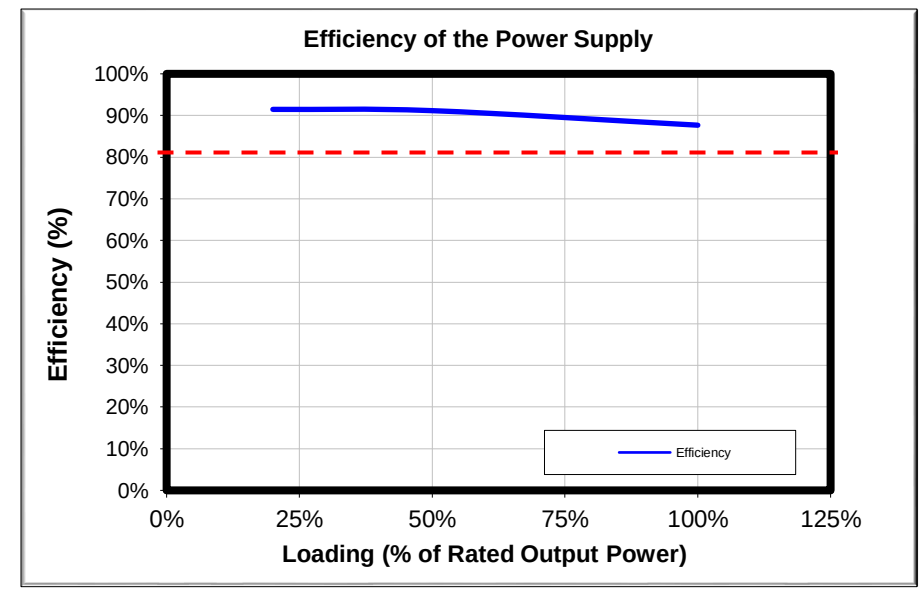
Input AC Current Waveform (ITHD = 8.38%, 50% Load)

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.

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		
0.87	0.98	10.58%	10%	97.94	12.05/5.92	11.93/0.03	3.29/1.51	5.03/1.51	5.03/0.25	85.47	**87.27%**
1.64	0.99	8.70%	20%	187.10	12.04/11.88	11.93/0.05	3.29/3.01	5.03/3	5.03/0.5	171.13	**91.47%**
4.09	0.99	8.38%	50%	467.50	12/29.68	11.91/0.13	3.28/7.55	5.03/7.47	5.02/1.25	426.18	**91.16%**
8.45	1.00	6.30%	100%	968.30	11.96/59.32	11.9/0.25	3.27/15.11	5.01/14.94	5/2.5	848.88	**87.67%**





PLUG LOAD solutions

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/*

80 PLUS®