

80 PLUS Verification and Testing Report

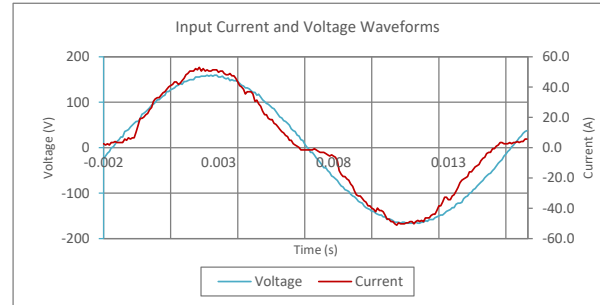
TYPICAL EFFICIENCY (50% Load):	88.07%
AVERAGE EFFICIENCY :	86.41%
80 PLUS COMPLIANT:	YES



ID Number	6070
Manufacturer	Corsair
Model Number	RPS0128 (CP-9020236) (CV650)
Serial Number	0009203509801
Year	2020
Type	ATX12V
Test Date	8/27/20

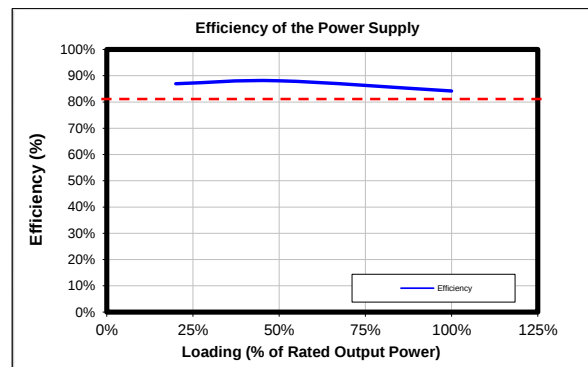
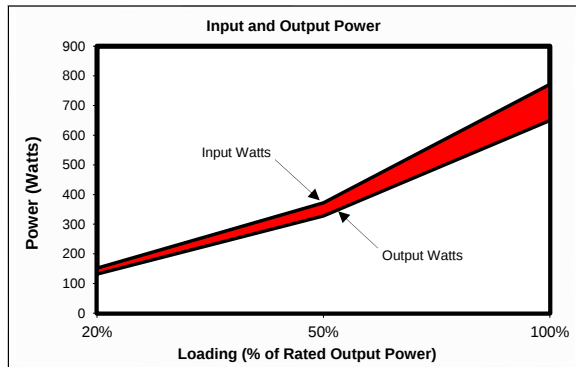
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	47-63	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (I_{THD} = 17.12%, 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		
0.74	0.94	33.54%	10%	79.88	12.16/4.38	12.05/0.03	3.34/1.46	5.01/1.22	5.1/0.25	65.88	82.48%
1.36	0.97	23.53%	20%	151.64	12.14/8.78	12.08/0.05	3.33/2.93	5.06/2.43	5.09/0.5	131.86	86.96%
3.29	0.98	17.12%	50%	372.30	12.07/21.97	12.09/0.13	3.32/7.33	5.02/6.05	5.04/1.26	327.88	88.07%
6.72	1.00	4.08%	100%	771.60	12.01/43.81	12.17/0.25	3.3/14.66	4.93/12.09	4.96/2.52	649.61	84.19%



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/>

