

80 PLUS Verification and Testing Report

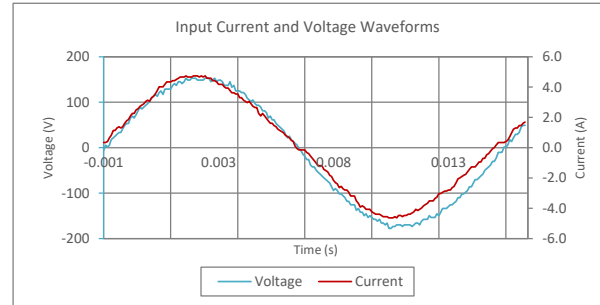
TYPICAL EFFICIENCY (50% Load):	91.38%
AVERAGE EFFICIENCY :	90.02%
80 PLUS COMPLIANT:	YES



ID Number	6452
Manufacturer	Corsair
Model Number	RPS0118 (CP-9020233) (RM650)
Serial Number	20497178000045870181
Year	2021
Type	ATX12V
Test Date	2/23/21

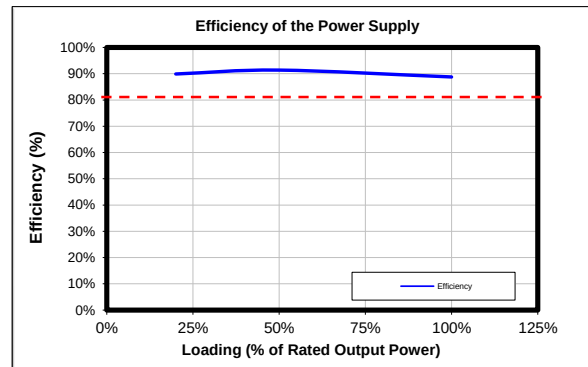
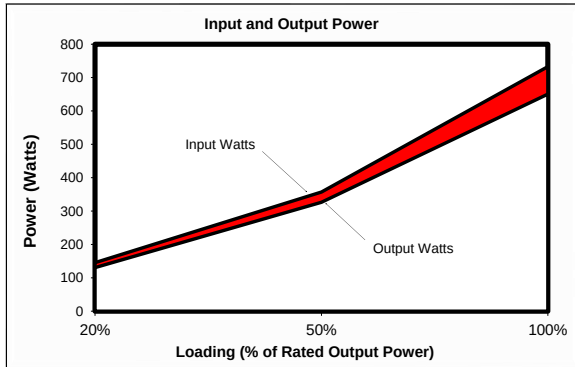
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	47-63	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (I_{THD} = 6.15%, 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		
0.67	0.97	5.17%	10%	75.30	12/4.42	11.94/0.02	3.31/1.28	5/1.28	4.99/0.24	65.12	86.48%
1.28	0.99	5.91%	20%	145.70	12.08/8.84	11.93/0.05	3.31/2.56	4.99/2.55	4.99/0.49	130.99	89.90%
3.12	1.00	6.15%	50%	357.40	12.03/22.14	11.91/0.12	3.31/6.39	4.99/6.34	4.98/1.22	326.59	91.38%
6.40	1.00	6.23%	100%	732.80	11.99/44.24	11.88/0.24	3.3/12.8	4.98/12.65	4.95/2.45	650.53	88.77%



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/>