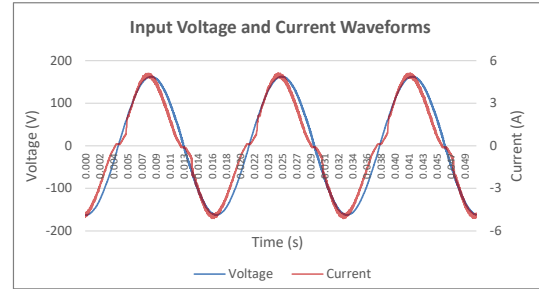


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	90.86%
AVERAGE EFFICIENCY :	85.99%
80 PLUS COMPLIANT:	Gold



ID Number	7120
Manufacturer	Corsair
Model Number	RPS0148 (CP-9020280) (RM650)
Serial Number	N/A
Year	2023
Type	ATX12V
Test Date	8/14/23

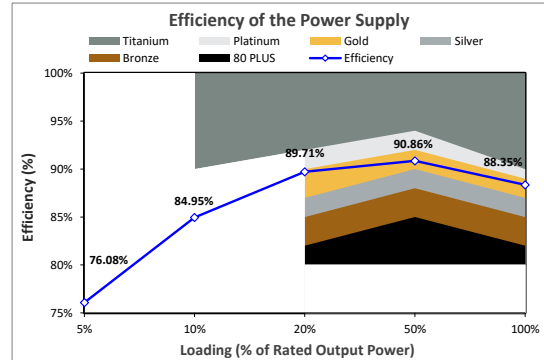
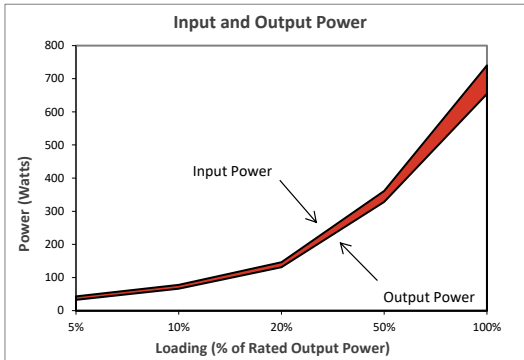


Input AC Current Waveform (ITHD = 14.63%, 50% Load)

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.

I _{RMS} (A)	PF	I _{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)				Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)					
No-Load										
0.084	0.3265	15.39	0%	3.14						
0.394	0.9461	23.79	5%	42.93	12.13/2.25	12.16/0.01	3.31/0.55	4.99/0.55	5.01/0.13	32.66 76.08%
0.698	0.9676	20.20	10%	77.64	12.13/4.54	12.16/0.03	3.31/1.11	4.99/1.11	5.01/0.25	65.95 84.95%
1.299	0.9783	18.34	20%	146.23	12.09/9.06	12.17/0.06	3.31/2.22	4.99/2.22	5/0.5	131.18 89.71%
3.195	0.9835	14.63	50%	361.22	12.08/22.72	12.18/0.13	3.3/5.54	4.99/5.54	4.99/1.26	328.19 90.86%
6.491	0.9917	10.13	100%	740.23	12.05/45.37	12.2/0.25	3.3/11.06	4.99/11.08	4.96/2.51	654.03 88.35%



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/>