

80 PLUS Verification and Testing Report

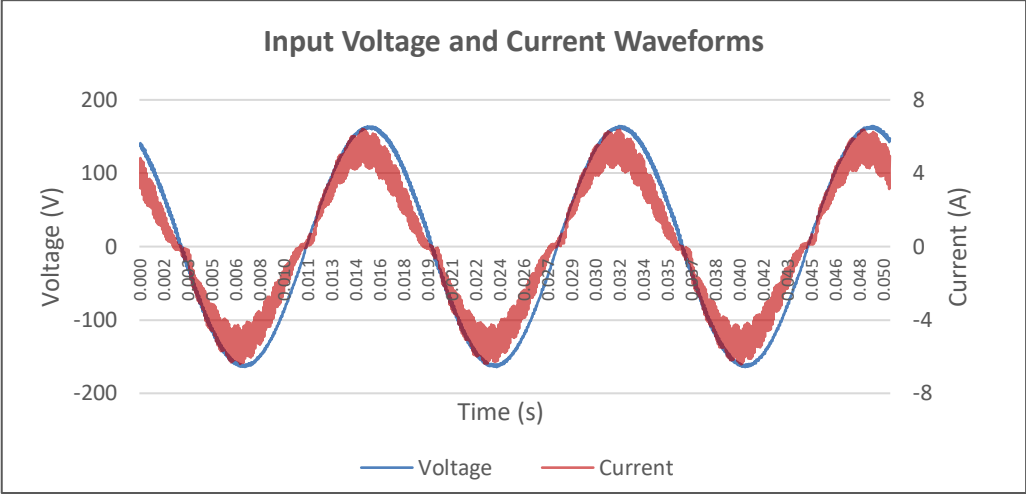
TYPICAL EFFICIENCY (50% Load):	92.80%
AVERAGE EFFICIENCY :	89.35%
80 PLUS COMPLIANT:	Platinum



ID Number	7310
Manufacturer	Corsair
Model Number	RPS0205 (CP-9020284) (SF750)
Serial Number	N/A
Type	SFX
Test Date	2/22/24

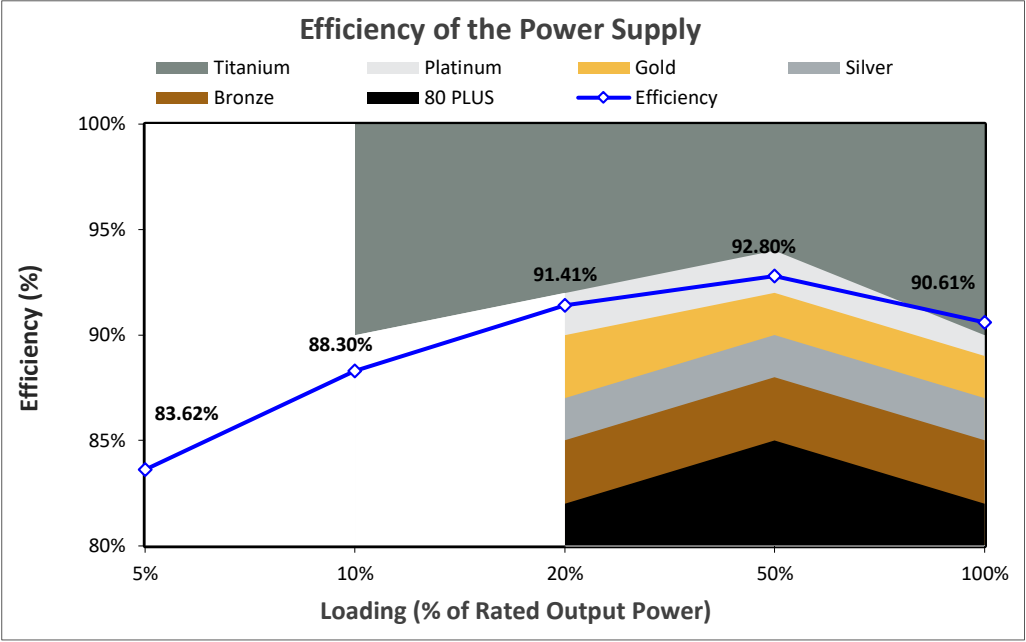
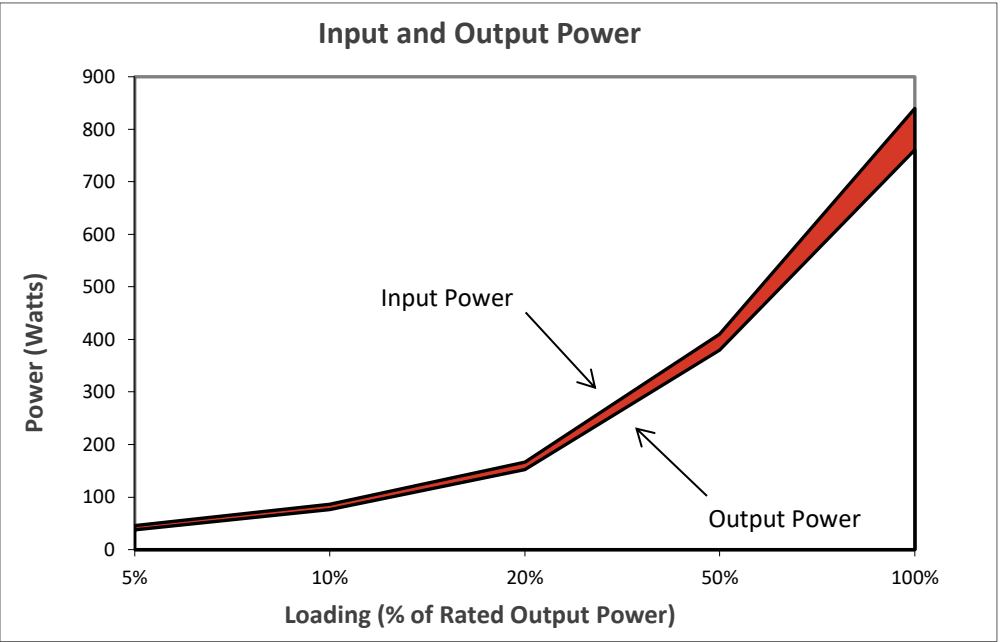
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	47-63	Hz
Rated Output Power	750	Watts

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



Input AC Current Waveform (ITHD = 8.15%, 50% Load)

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.)	3.3V	5V	5Vstb		
0.135	0.3524	16.09	0%	5.47	No-Load					
0.513	0.7691	12.02	5%	45.38	12.15/2.62	3.34/0.66	5.01/0.66	5.08/0.126	37.94	83.62%
0.882	0.8475	10.83	10%	86.00	12.16/5.24	3.34/1.31	5.01/1.31	5.08/0.251	75.93	88.30%
1.552	0.9315	10.65	20%	166.21	12.17/10.48	3.34/2.63	5.01/2.63	5.07/0.503	151.93	91.41%
3.637	0.9793	8.15	50%	409.67	12.17/26.19	3.35/6.56	5.02/6.56	5.06/1.257	380.16	92.80%
7.371	0.9910	6.65	100%	839.71	12.18/52.38	3.35/13.13	5.03/13.13	5.04/2.513	760.86	90.61%



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/>