

80 PLUS Verification and Testing Report

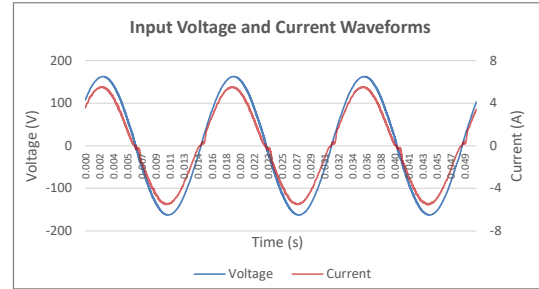
TYPICAL EFFICIENCY (50% Load):	87.65%
AVERAGE EFFICIENCY :	83.42%
80 PLUS COMPLIANT:	Bronze



ID Number	7114
Manufacturer	Corsair
Model Number	RPS0146 (CP-9020279) (CX750)
Serial Number	N/A
Year	2023
Type	ATX12V
Test Date	8/11/23

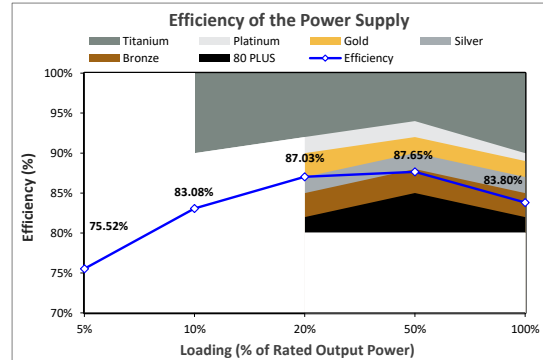
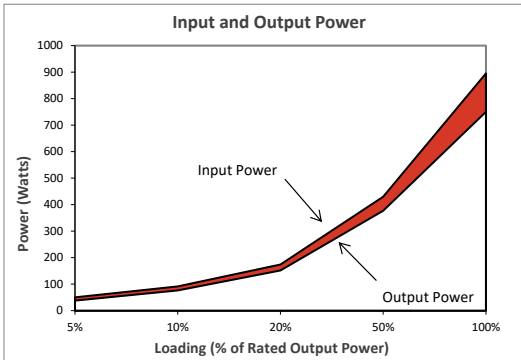
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	47-63	Hz
Rated Output Power	750	Watts

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



Input AC Current Waveform (ITHD = 6.38%, 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.)	-12V	3.3V	5V	5Vsb		
0.096	0.5721	27.44	0%	6.31	No-Load						
0.454	0.9614	22.67	5%	50.17	12.13/2.6	12.02/0.01	3.34/0.73	5.11/0.61	5.12/0.13	37.89	75.52%
0.808	0.9848	15.68	10%	91.58	12.1/5.23	12/0.03	3.34/1.46	5.1/1.22	5.12/0.25	76.08	83.08%
1.533	0.9856	13.48	20%	173.79	12.03/10.46	11.96/0.06	3.33/2.93	5.09/2.44	5.11/0.5	151.26	87.03%
3.747	0.9965	6.38	50%	429.60	11.98/26.17	11.94/0.13	3.32/7.3	5.05/6.09	5.09/1.26	376.55	87.65%
7.789	0.9993	2.38	100%	895.06	11.98/52.24	11.99/0.25	3.29/14.57	4.99/12.17	5.05/2.52	750.09	83.80%



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/>