

80 PLUS Verification and Testing Report

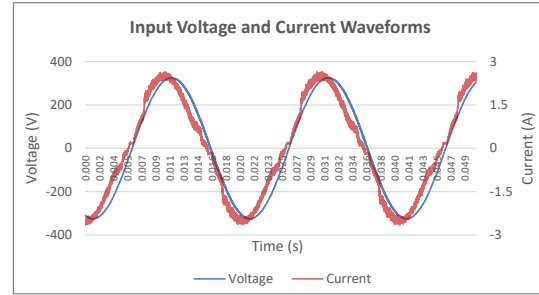
TYPICAL EFFICIENCY (50% Load):	87.01%
AVERAGE EFFICIENCY :	83.76%
80 PLUS COMPLIANT:	Standard



ID Number	EU-962
Manufacturer	PCCOOLER
Model Number	P3-F650-W1H
Serial Number	N/A
Year	2023
Type	ATX12V
Test Date	7/19/23

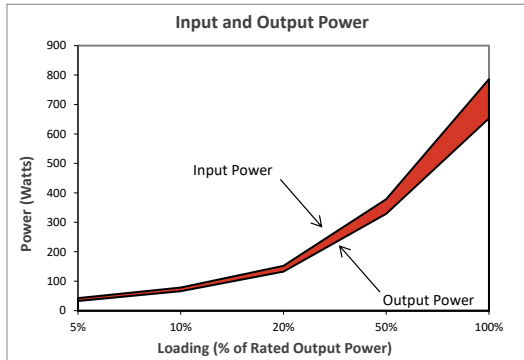
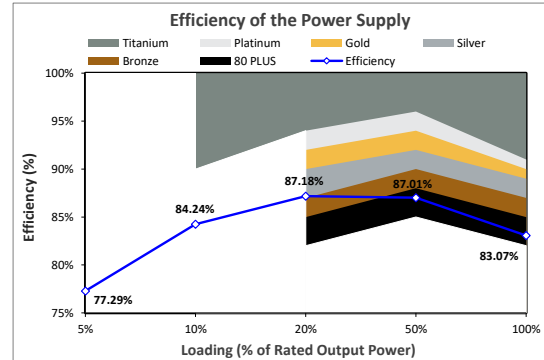
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	5	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.



Input AC Current Waveform (ITHD = 10.41%, 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			
0.131	0.1298	15.71	0%	3.92	No-Load						
0.270	0.6860	19.61	5%	42.64	12.18/2.26	12.02/0.01	3.34/0.56	5.05/0.56	5.04/0.12	32.96	77.29%
0.406	0.8381	16.62	10%	78.24	12.18/4.52	12.0/0.03	3.34/1.11	5.04/1.11	5.03/0.23	65.91	84.24%
0.712	0.9270	14.10	20%	151.74	12.18/9.09	12.02/0.07	3.33/2.22	5.01/2.22	5.01/0.46	132.28	87.18%
1.689	0.9729	10.41	50%	378.04	12.14/22.71	12.14/0.14	3.29/5.55	4.96/5.55	4.96/1.15	328.93	87.01%
3.458	0.9881	5.39	100%	786.01	12.09/45.37	12.43/0.28	3.24/11.09	4.86/11.11	4.87/2.31	652.90	83.07%



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/>