

80 PLUS Verification and Testing Report

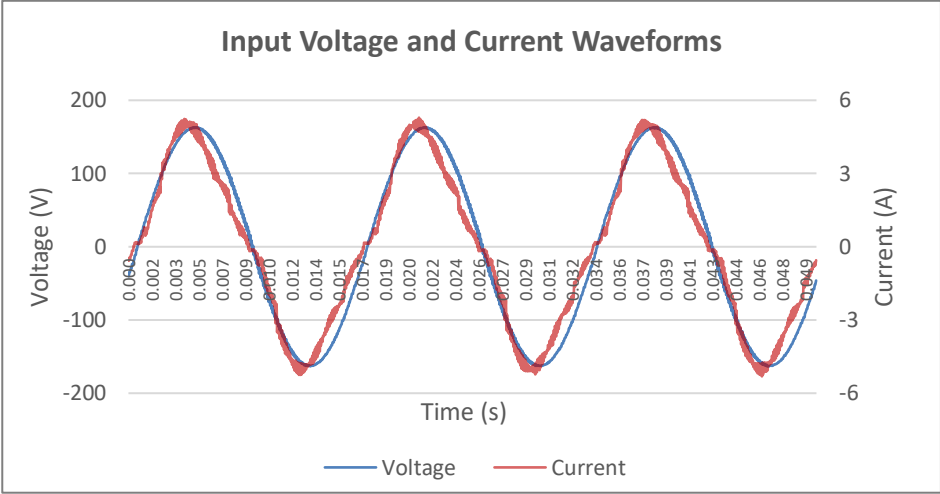
TYPICAL EFFICIENCY (50% Load):	90.60%
AVERAGE EFFICIENCY :	86.81%
80 PLUS COMPLIANT:	Gold



ID Number	7256
Manufacturer	DeepCool
Model Number	PN650D-FC
Serial Number	2023000042
Year	2023
Type	ATX12V
Test Date	1/3/24

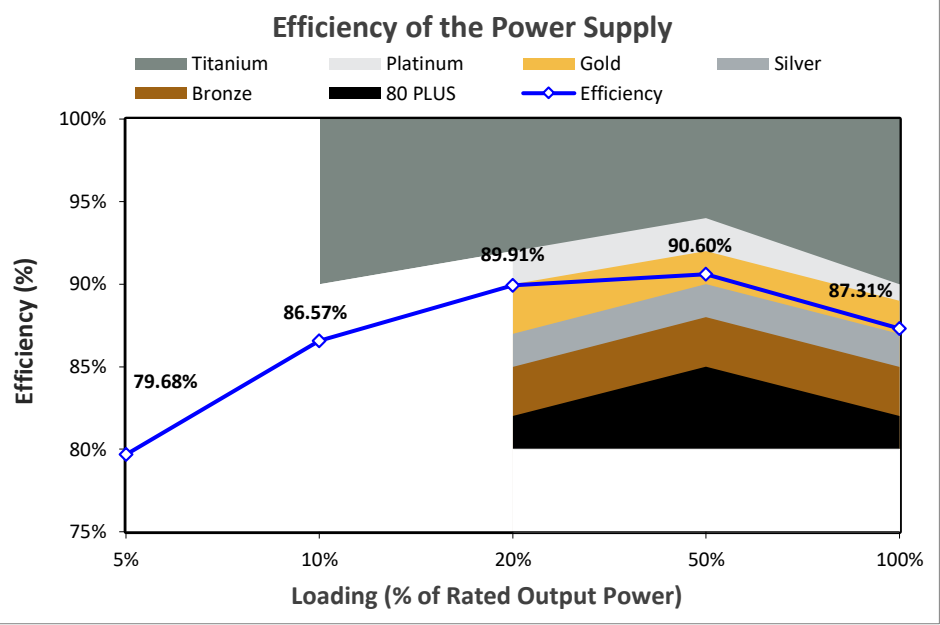
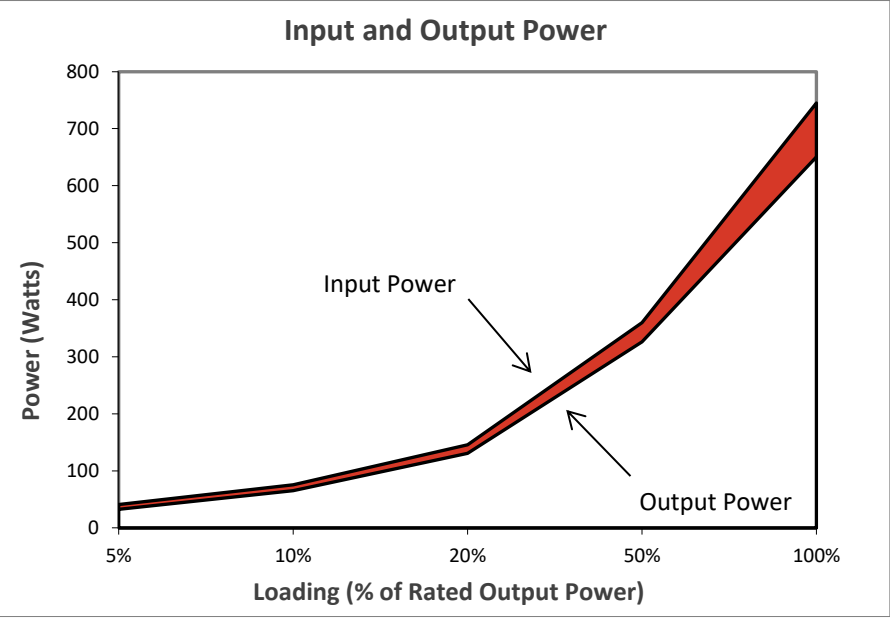
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 14.42%, 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	5Vstb		
0.134	0.4156	21.61	0%	6.42	No-Load						
0.395	0.9031	17.44	5%	40.98	12.04/2.29	11.69/0.013	3.35/0.51	5.04/0.51	5.09/0.127	32.65	79.68%
0.688	0.9527	16.21	10%	75.44	12.04/4.58	11.57/0.025	3.35/1.02	5.04/1.02	5.08/0.254	65.30	86.57%
1.300	0.9708	16.58	20%	145.18	12.03/9.16	11.47/0.051	3.35/2.04	5.05/2.04	5.06/0.509	130.53	89.91%
3.182	0.9826	14.42	50%	359.61	12.02/22.9	11.47/0.127	3.35/5.11	5.04/5.11	5/1.272	325.80	90.60%
6.571	0.9866	12.31	100%	745.16	12/45.79	11.69/0.254	3.35/10.22	5.05/10.22	4.9/2.543	650.63	87.31%



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/>