

# 80 PLUS Verification and Testing Report

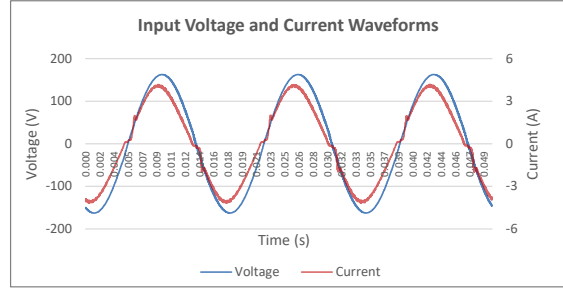
TYPICAL EFFICIENCY (50% Load):	88.46%
AVERAGE EFFICIENCY :	82.46%
80 PLUS COMPLIANT:	Silver



ID Number	7128
Manufacturer	DeepCool
Model Number	PL550D-FC
Serial Number	N/A
Year	2023
Type	ATX12V
Test Date	8/25/23

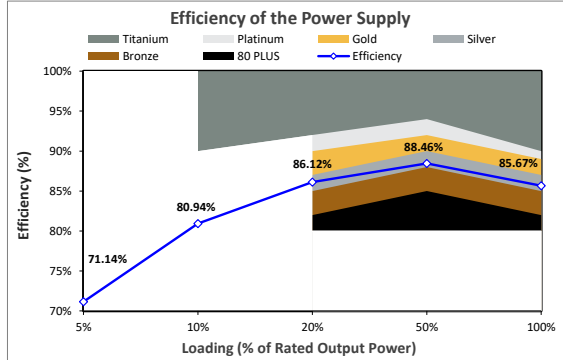
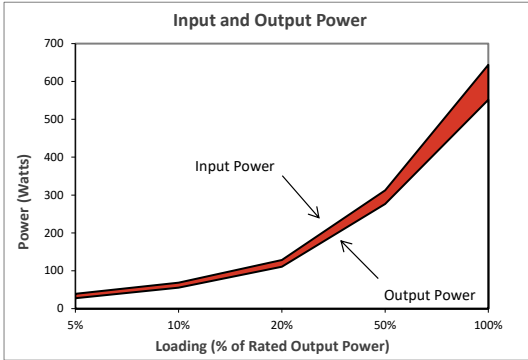
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	9-4.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	550	Watts

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



Input AC Current Waveform (ITHD = 7.95%, 50% Load)

I <sub>RMS</sub> (A)	PF	I <sub>THD</sub> (%)	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
0.148	0.6252	17.67	0%	10.67	No-Load						
0.369	<b>0.9184</b>	20.08	5%	38.93	12.06/1.89	12.19/0.012	3.33/0.5	5.1/0.5	5.05/0.124	27.69	71.14%
0.613	<b>0.9704</b>	11.37	10%	68.41	12.06/3.77	12.22/0.025	3.33/0.99	5.09/0.99	5.04/0.247	55.37	80.94%
1.163	<b>0.9615</b>	13.26	20%	128.54	12.05/7.54	12.23/0.049	3.33/1.99	5.1/1.98	5.03/0.494	110.70	86.12%
2.752	<b>0.9871</b>	7.95	50%	312.47	12.04/18.85	12.24/0.123	3.34/4.96	5.1/4.96	5.01/1.235	276.40	88.46%
5.635	<b>0.9934</b>	6.72	100%	643.98	12.01/37.7	12.29/0.247	3.34/9.92	5.1/9.92	4.96/2.468	551.68	85.67%



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/>