

# 80 PLUS Verification and Testing Report

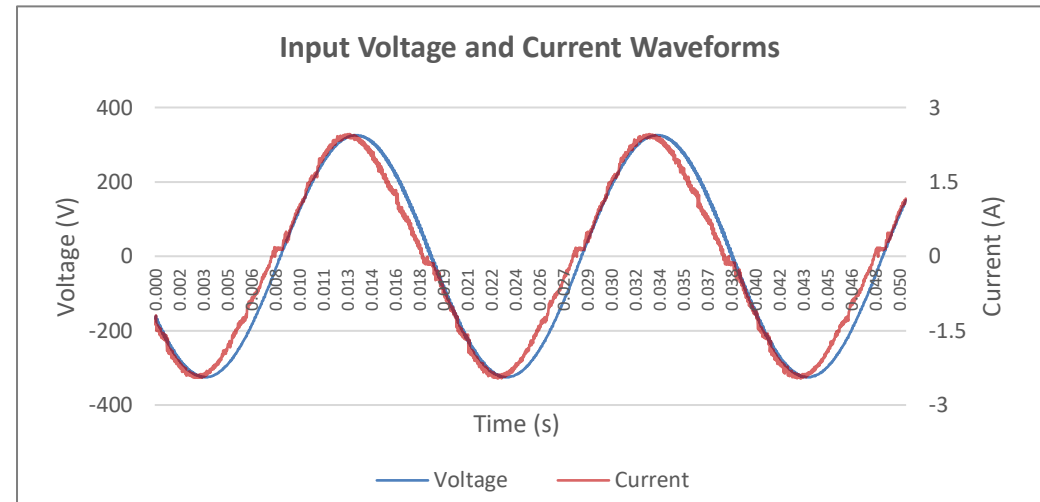
TYPICAL EFFICIENCY (50% Load):	88.59%
AVERAGE EFFICIENCY :	84.21%
80 PLUS COMPLIANT:	Standard



ID Number	EU-1035.1
Manufacturer	Thermaltake
Model Number	Litepower Gen3 650W
Serial Number	PSTRS0650NNSAW2OECY01102
Type	ATX12V
Test Date	4/4/24

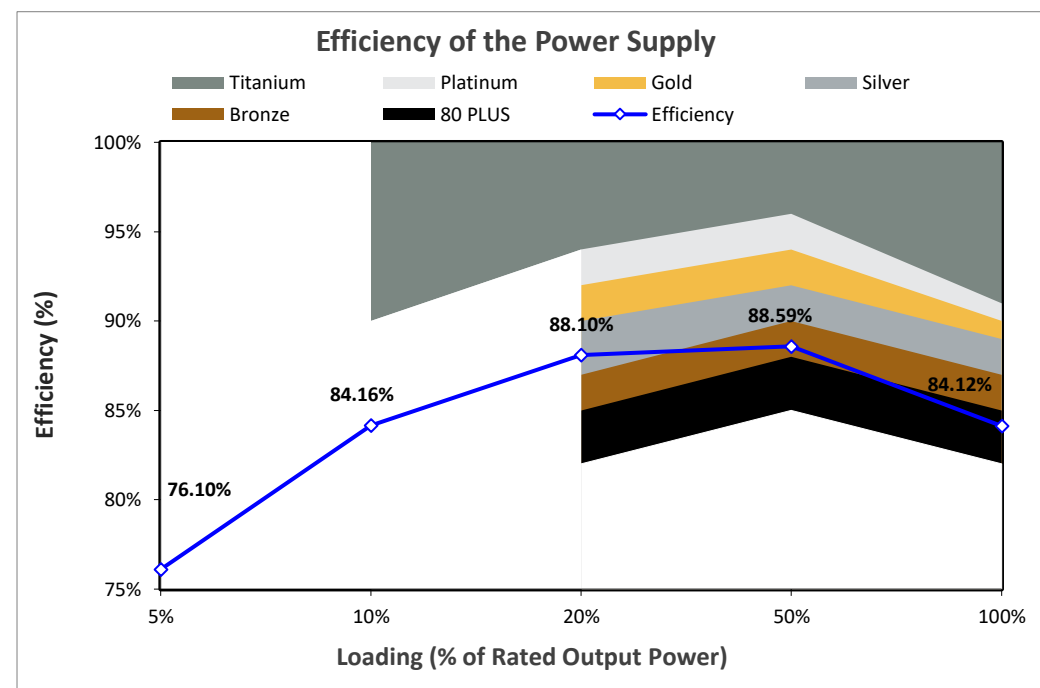
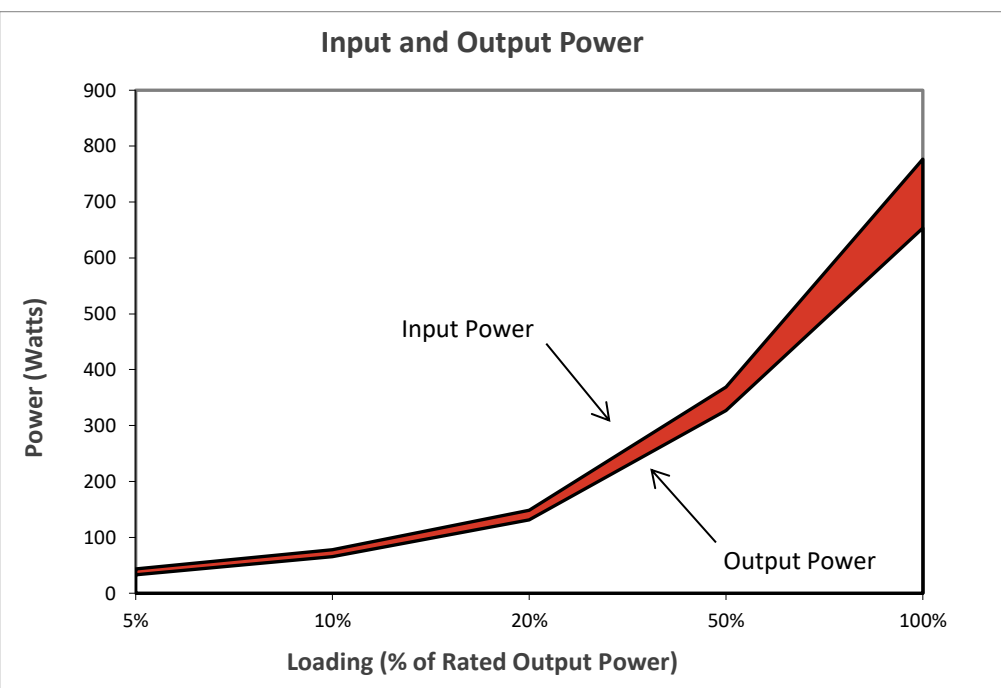
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	10	Amps
Input Frequency	50	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 7.18%, 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		
0.119	0.2248	20.05	0%	6.17	No-Load						
0.245	<b>0.7630</b>	18.18	5%	43.01	12.06/2.3	11.98/0.013	3.37/0.51	5.1/0.51	5.14/0.106	32.73	76.10%
0.381	<b>0.8888</b>	14.28	10%	77.80	12.06/4.6	12.05/0.026	3.36/1.02	5.1/1.02	5.13/0.212	65.47	84.16%
0.675	<b>0.9574</b>	10.32	20%	148.59	12.06/9.19	12.16/0.051	3.35/2.05	5.09/2.05	5.11/0.425	130.91	88.10%
1.624	<b>0.9883</b>	7.18	50%	369.25	12.07/22.98	12.46/0.127	3.31/5.12	5.06/5.12	5.04/1.062	327.10	88.59%
3.400	<b>0.9933</b>	6.19	100%	776.71	12.08/45.95	13.06/0.255	3.26/10.23	5.01/10.23	4.93/2.122	653.37	84.12%



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/>