

80 PLUS Verification and Testing Report

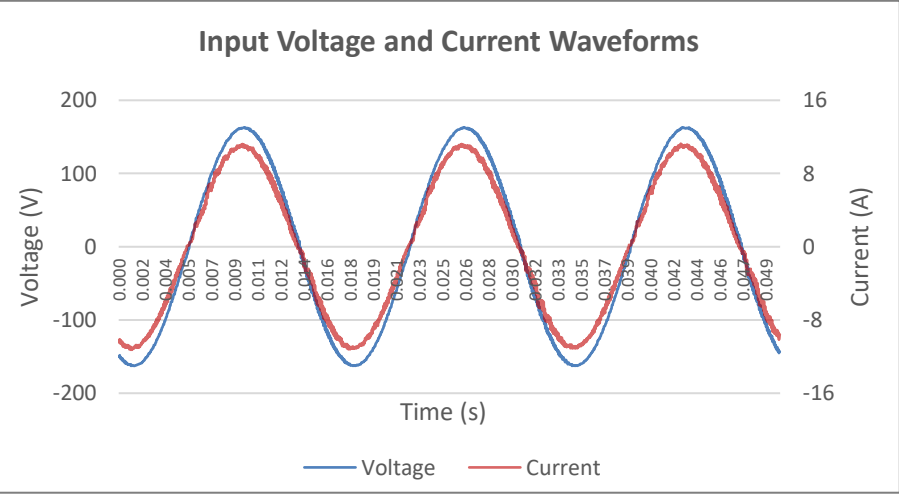
TYPICAL EFFICIENCY (50% Load):	94.45%
AVERAGE EFFICIENCY :	91.93%
80 PLUS COMPLIANT:	Titanium



ID Number	7056
Manufacturer	Thermaltake
Model Number	TPI-1650DH3FCT TOUGHPower iRGB PLUS 1650W
Serial Number	N/A
Year	2023
Type	ATX12V
Test Date	5/31/23

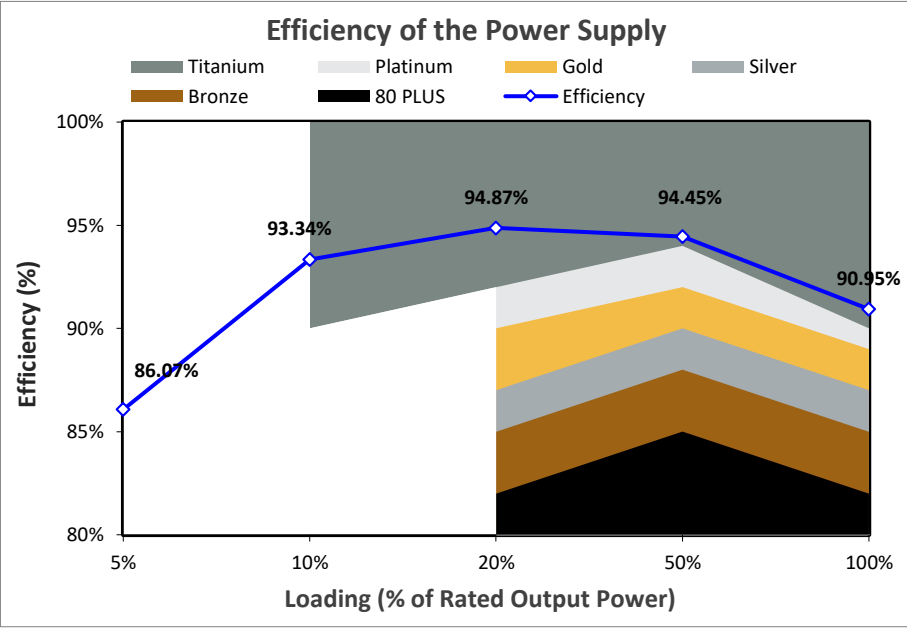
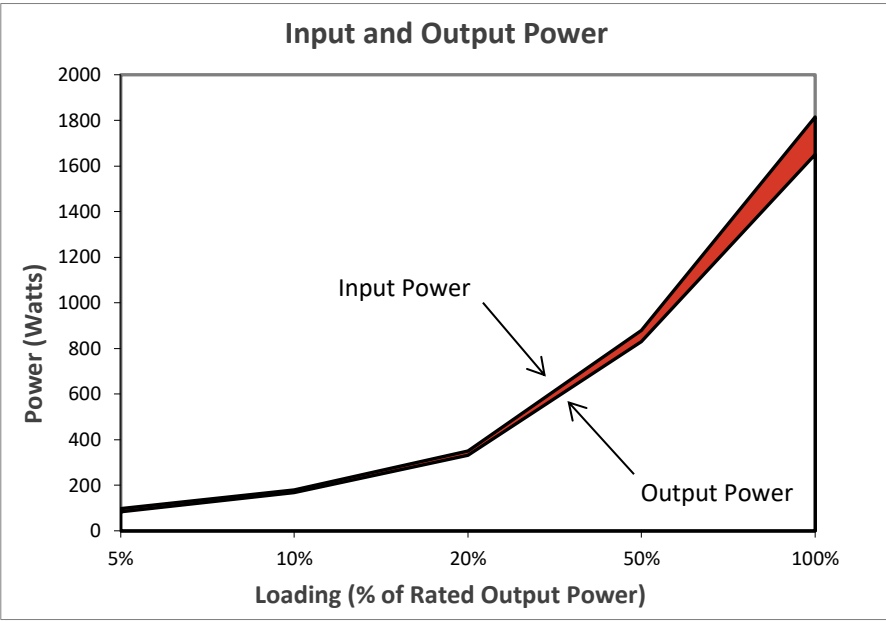
Rated Specifications		Value	Units
Input Voltage		100-240	Volts
Input Current		15	Amps
Input Frequency		50-60	Hz
Rated Output Power		1650	Watts

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



Input AC Current Waveform (ITHD = 3.03%, 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		
0.118	0.3050	21.41	0%	4.12	No-Load						
0.910	0.9197	12.80	5%	96.27	12.08/6.32	11.9/0.02	3.3/0.67	5.04/0.67	5.04/0.14	82.85	86.07%
1.568	0.9892	13.08	10%	178.46	12.07/12.7	11.91/0.06	3.3/1.33	5.04/1.33	5.04/0.28	166.57	93.34%
3.060	0.9941	10.34	20%	349.83	12.06/25.36	11.91/0.09	3.3/2.66	5.04/2.66	5.04/0.55	331.90	94.87%
7.652	0.9986	3.03	50%	878.57	12.04/63.51	11.93/0.23	3.3/6.65	5.04/6.65	5.03/1.38	829.79	94.45%
15.804	0.9982	3.76	100%	1814.88	11.99/126.82	11.96/0.46	3.3/13.27	5.04/13.3	5.02/2.76	1650.57	90.95%



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/>