

80 PLUS Verification and Testing Report

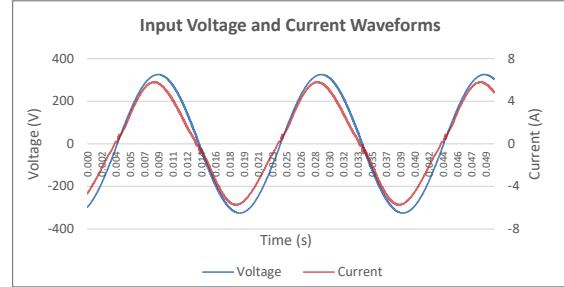
TYPICAL EFFICIENCY (50% Load):	94.19%
AVERAGE EFFICIENCY :	91.11%
80 PLUS COMPLIANT:	Platinum



ID Number	EU-983
Manufacturer	FSP Technology Inc.
Model Number	HPT2-1650M
Serial Number	S3211030039
Year	2023
Type	ATX12V, EPS12V
Test Date	9/25/23

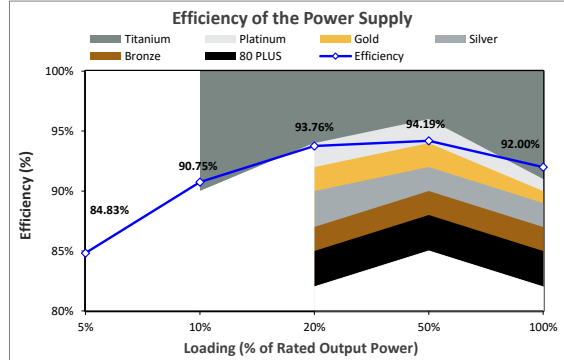
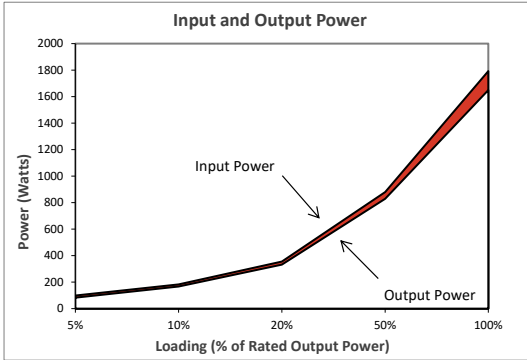
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	1650	Watts

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



Input AC Current Waveform (ITHD = 7.13%, 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		
0.195	0.2843	23.92	0%	12.77	No-Load						
0.496	0.8599	18.13	5%	98.12	12.04/6.34	12.04/0.014	3.36/0.67	5.08/0.67	5.07/0.138	83.23	84.83%
0.844	0.9443	16.22	10%	183.37	12.09/12.69	12.04/0.028	3.35/1.34	5.07/1.33	5.07/0.277	166.40	90.75%
1.570	0.9817	9.37	20%	354.59	12.08/25.37	12.05/0.055	3.34/2.67	5.06/2.67	5.05/0.553	332.47	93.76%
3.855	0.9924	7.13	50%	880.06	12.06/63.43	12.05/0.138	3.32/6.67	5.02/6.67	5.01/1.384	828.93	94.19%
7.854	0.9923	8.63	100%	1792.51	12/126.85	12.08/0.277	3.28/13.34	4.97/13.34	4.93/2.767	1649.19	92.00%



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/>