

80 PLUS Verification and Testing Report

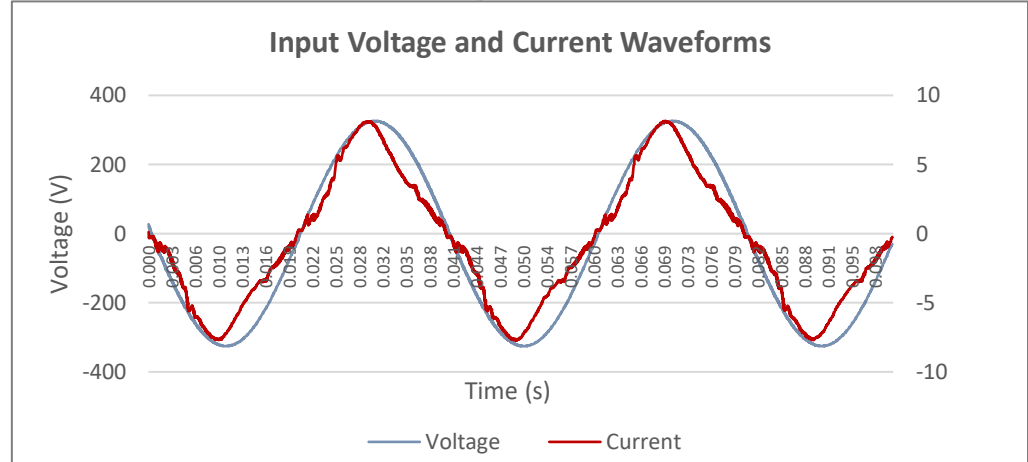
TYPICAL EFFICIENCY (50% Load):	94.01%
AVERAGE EFFICIENCY :	89.82%
AVERAGE STANDBY EFFICIENCY :	78.23%
80 PLUS COMPLIANT:	Platinum



ID Number	EU-1251
Manufacturer	Thermalright
Model Number	TTI-2000DH3FCP-3 TOUGHPOWER I 2000W
Sample 1 S/N:	PSTPI2000FNFDPT1BLCW00005
Sample 2 S/N:	PSTPI2000FNFDPT1BLCW00004
Type	ATX 3.1
Test Date	9/9/25

Rated	Value	Units
Input Voltage	115-220/220-240	Volts
Input Current	15.0	Amps
Input Frequency	50-60	Hz
Rated Output Power	2000	Watts

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



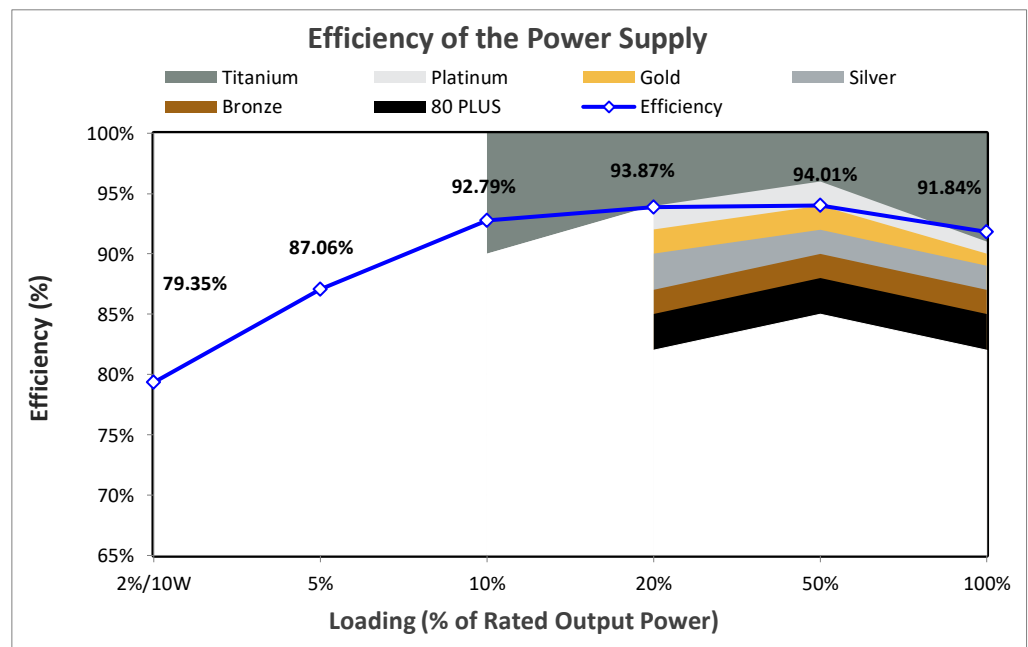
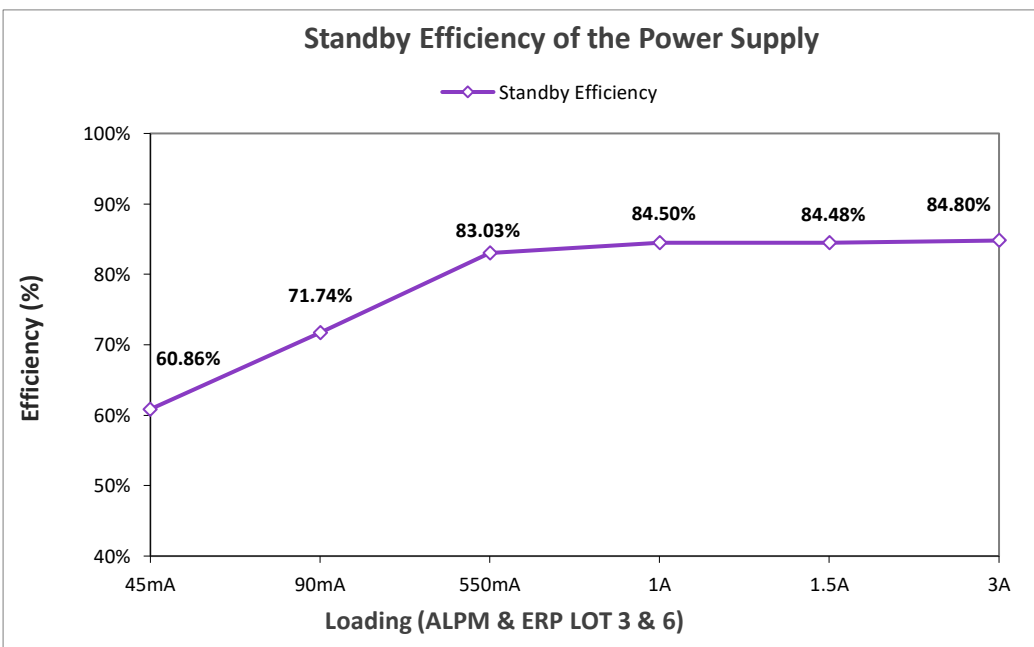
Input AC Current Waveform (ITHD = 17.67%, 50% Load)

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.)	3.3V	5V	5VSB		
0.205	0.2932	30.47	0%	13.82	No-Load					
0.329	0.6661	29.31	2%/10W	50.43	12.001/3.123	3.290/0.271	5.043/0.271	5.032/0.056	40.02	79.35%
0.579	0.8625	32.34	5%	114.89	11.999/7.806	3.290/0.677	5.041/0.677	5.031/0.141	100.02	87.06%
1.029	0.9113	31.20	10%	215.55	11.998/15.613	3.291/1.352	5.045/1.352	5.029/0.281	200.02	92.79%
1.937	0.9555	24.07	20%	425.86	11.990/31.225	3.291/2.706	5.045/2.706	5.026/0.562	399.77	93.87%
4.712	0.9803	17.67	50%	1062.51	11.982/78.068	3.287/6.769	5.045/6.770	5.015/1.406	998.87	94.01%
9.568	0.9878	13.73	100%	2173.81	11.975/156.113	3.293/13.537	5.050/13.539	5.004/2.810	1996.46	91.84%

Note: Efficiency data was obtained from Sample 1 (Serial Number: PSTPI2000FNFDPT1BLCW00005)

I _{RMS} (A)	PF	I _{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Standby Efficiency
					5VSB	Vampire Load		
0.146	0.0066	3.92	0mA	0.22				
0.147	0.0154	4.14	45mA	0.37		5.070/0.045	0.23	60.86%
0.145	0.0126	6.06	90mA	0.64		5.070/0.090	0.46	71.74%
0.150	0.0979	23.13	550mA	3.36		5.073/0.550	2.79	83.03%
0.157	0.1658	35.74	1A	6.01		5.075/1.000	5.08	84.50%
0.169	0.2312	46.52	1.5A	9.02		5.078/1.500	7.62	84.48%
0.220	0.3538	66.24	3A	18.01		5.087/3.003	15.28	84.80%

Note: Standby efficiency data was obtained from Sample 2 (Serial Number: PSTPI2000FNFDPT1BLCW00004)



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.

<https://www.clearesult.com/80plus/> [clearesult.com](https://www.clearesult.com/)