

80 PLUS Verification and Testing Report

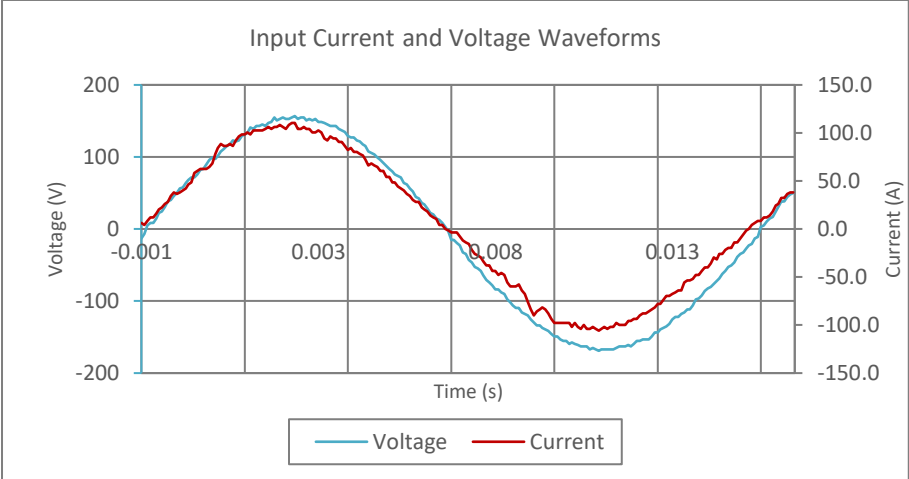
TYPICAL EFFICIENCY (50% Load):	94.19%
AVERAGE EFFICIENCY :	93.25%
80 PLUS COMPLIANT:	YES



ID Number	5484.1
Manufacturer	Thermalright Technology Co., Ltd.
Model Number	TTP-1550AH3FCT TOUGHPower TF1 1550W
Serial Number	N/A
Year	2019
Type	ATX12V
Test Date	2/4/19

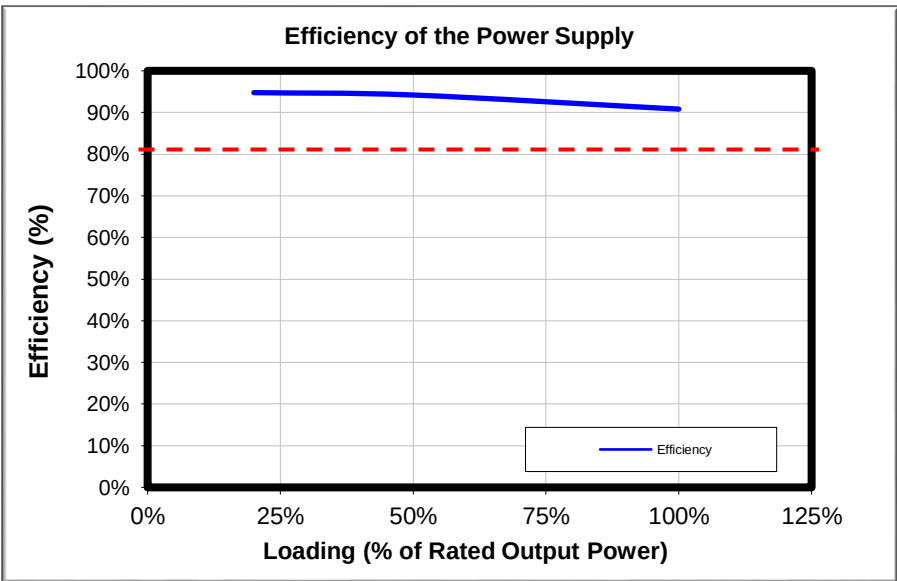
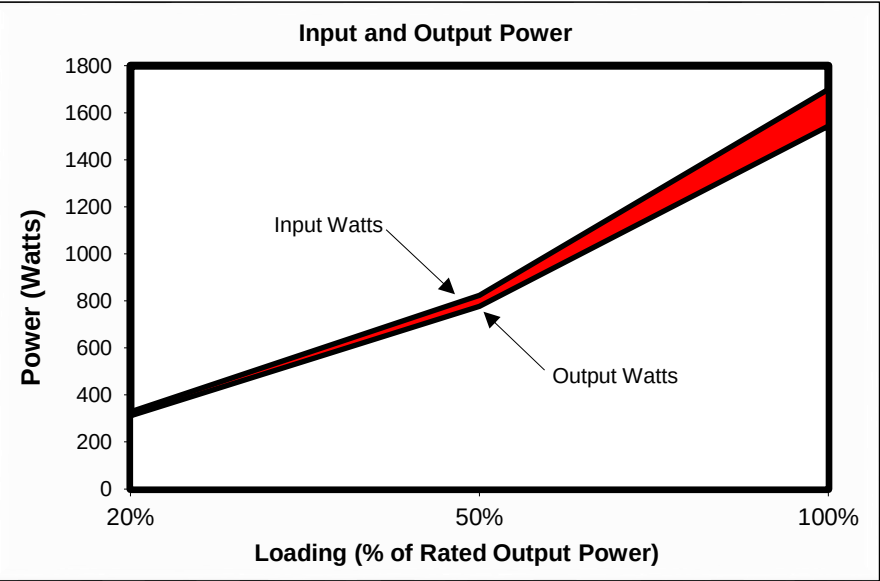
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	18	Amps
Input Frequency	47-63	Hz
Rated Output Power	1550	Watts

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



Input AC Current Waveform (ITHD = 4.86%, 50% Load)

I _{RMS}	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		
1.51	0.96	8.84%	10%	167.30	12/11.9	12.19/0.03	3.31/1.33	5.05/1.33	5.04/0.28	155.72	93.08%
2.89	0.99	6.52%	20%	328.90	11.99/23.85	12.18/0.06	3.31/2.65	5.05/2.63	5.03/0.55	311.68	94.76%
7.19	1.00	4.86%	50%	824.40	11.97/59.51	12.2/0.14	3.32/6.64	5.05/6.58	5/1.38	776.53	94.19%
14.81	1.00	4.01%	100%	1699.30	11.95/118.46	12.23/0.28	3.34/13.29	5.03/13.14	4.94/2.75	1543.07	90.81%



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/>

