80 PLUS Verification and Testing Report
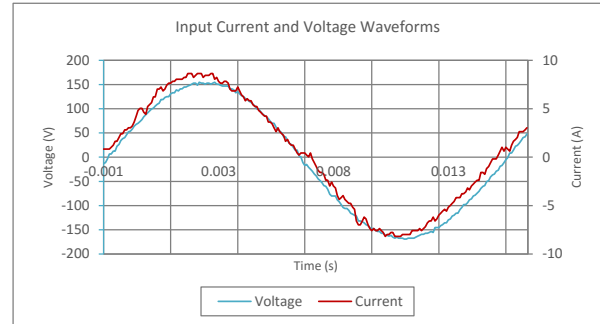
TYPICAL EFFICIENCY (50% Load):	**92.92%**
AVERAGE EFFICIENCY :	**91.51%**
80 PLUS COMPLIANT:	**YES**

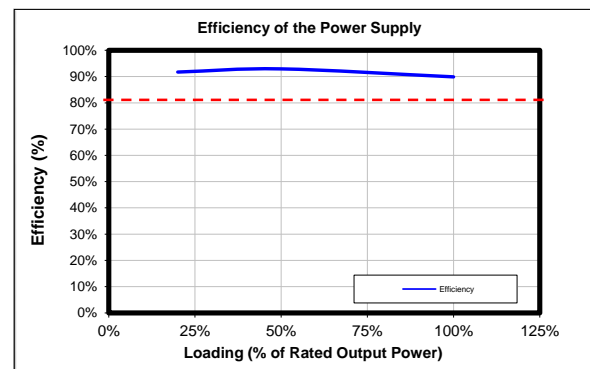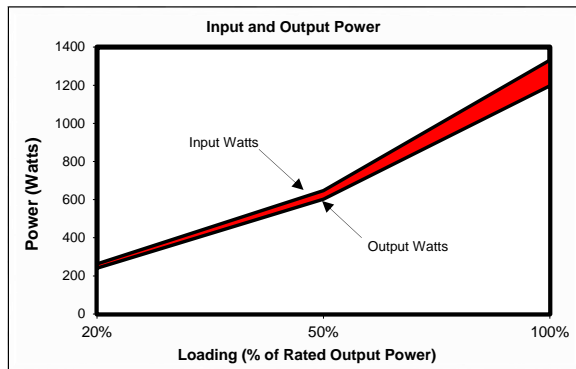| ID Number	5070
Manufacturer	Thermaltake Technology Co., Ltd.
Model Number	TPG-1200AH3FCP TPG-1200F1FAP Toughpower Grand RGB 1200W Platinum
Serial Number	PSTPG1200F1FAPU1AL000002
Year	2017
Type	ATX12V,EPS12V,PS2
Test Date	9/28/17

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	14	Amps
Input Frequency	50-60	Hz
Rated Output Power	**1200**	**Watts**

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

Input Current and Voltage Waveforms

Input AC Current Waveform (ITHD = 6.611%, 50% Load)

I_{RMS}	PF	I_{THD}	Load	Input Watts	12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5Vsb	Output Watts	Efficiency
					DC Terminal Voltage (V)/ DC Load Current (A)						
1.23	0.96	11.14%	10%	136.72	11.98/8.9	12.23/0.03	3.31/1.39	5.07/1.39	5.07/0.27	119.99	87.76%
2.31	0.99	8.74%	20%	262.46	11.98/17.87	12.24/0.05	3.31/2.79	5.07/2.77	5.06/0.53	240.72	91.72%
5.66	1.00	6.61%	50%	647.69	11.99/44.67	12.25/0.13	3.31/6.98	5.07/6.91	5.06/1.33	601.85	92.92%
11.62	1.00	7.40%	100%	1331.49	11.97/88.91	12.28/0.27	3.31/13.97	5.07/13.78	5.04/2.67	1196.79	89.88%

Input and Output Power

Efficiency of the Power Supply

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/