

80 PLUS Verification and Testing Report

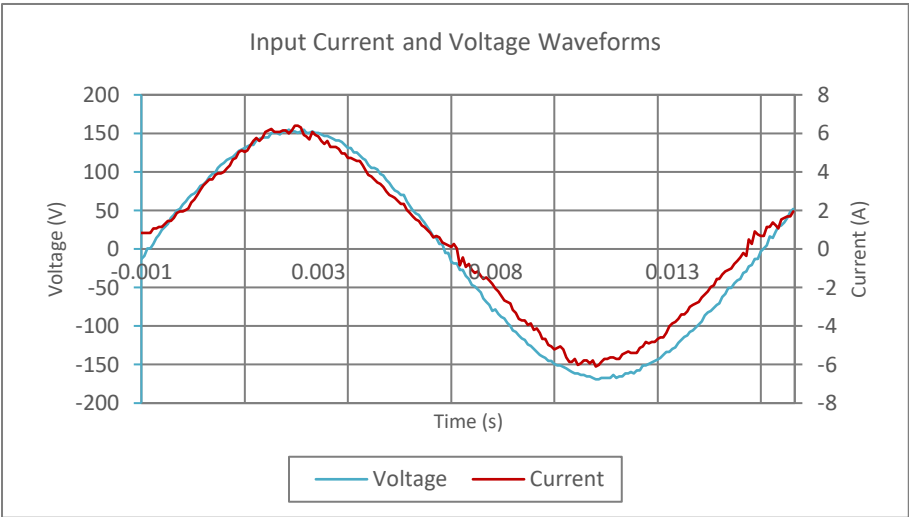
TYPICAL EFFICIENCY (50% Load):	92.95%
AVERAGE EFFICIENCY :	91.83%
80 PLUS COMPLIANT:	YES



ID Number	5071
Manufacturer	Thermaltake Technology Co., Ltd.
Model Number	TPG-850AH3FCP TPG-0850F1FAP Toughpower Grand RGB 850W Platinum
Serial Number	PSTPG085F1FAPU1AL000002
Year	2017
Type	ATX12V, EPS12V, PS2
Test Date	9/29/17

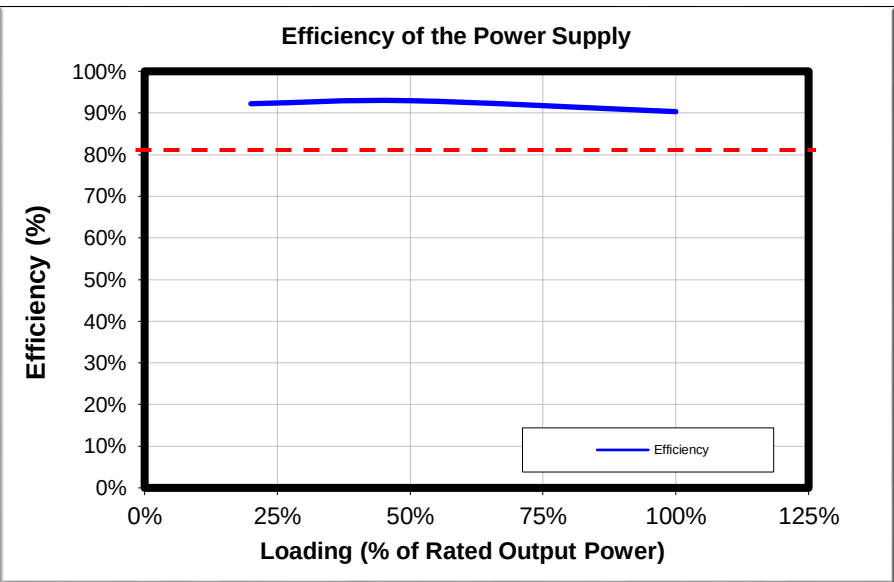
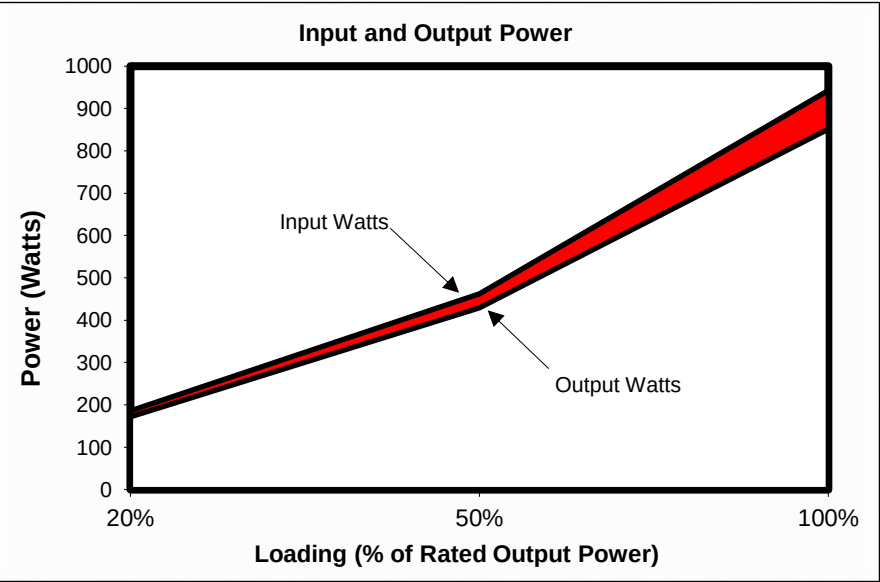
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12	Amps
Input Frequency	50-60	Hz
Rated Output Power	850	Watts

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



Input AC Current Waveform (ITHD = 7.483%, 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		
0.89	0.94	12.36%	10%	96.65	12.09/6.23	12.25/0.03	3.31/1.06	5.04/1.06	5.04/0.26	85.79	88.77%
1.65	0.98	9.08%	20%	186.20	12.08/12.48	12.25/0.05	3.31/2.12	5.04/2.11	5.03/0.53	171.73	92.23%
4.03	1.00	7.48%	50%	461.78	12.09/31.2	12.26/0.13	3.3/5.29	5.04/5.25	5.02/1.32	429.21	92.95%
8.23	1.00	3.56%	100%	942.61	12.04/62.05	12.33/0.26	3.31/10.59	5.05/10.48	5.02/2.63	851.41	90.32%



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/>

