80 PLUS Verification and Testing Report

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TYPICAL EFFICIENCY (50% Load):	**91.23%**
AVERAGE EFFICIENCY :	**89.82%**
80 PLUS COMPLIANT:	**YES**

ID Number	5432
Manufacturer	Thermaltake Technology Co., Ltd.
Model Number	TPI-750DH3FCG TOUGHPOWER iRGB PLUS 750W
Serial Number	PSTPI0750F3FDGU1LF000029
Year	2018
Type	ATX12V
Test Date	11/28/18

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50/60	Hz
Rated Output Power	**750**	**Watts**

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

Input Current and Voltage Waveforms
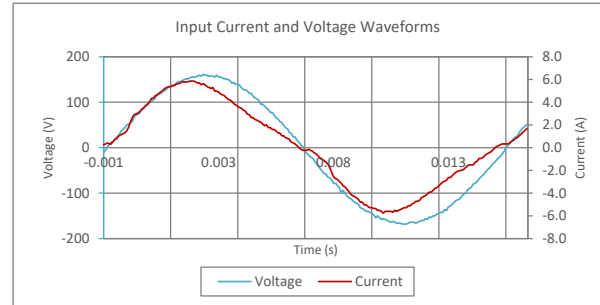
Input AC Current Waveform (ITHD = 13.7%, 50% Load)

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		
0.80	0.96	12.42%	10%	88.25	12.05/5.29	12.11/0.03	3.3/1.22	5.03/1.22	5.04/0.25	75.44	85.48%
1.49	0.98	12.47%	20%	167.80	12.04/10.59	12.12/0.05	3.3/2.44	5.03/2.43	5.04/0.51	150.92	89.94%
3.66	0.98	13.70%	50%	413.70	12.03/26.5	12.14/0.13	3.32/6.12	5.03/6.05	5.02/1.27	377.40	91.23%
7.52	0.99	11.14%	100%	853.10	12/52.99	12.17/0.25	3.36/12.21	5.02/12.08	5/2.53	753.31	88.30%

Input and Output Power

Efficiency of the Power Supply
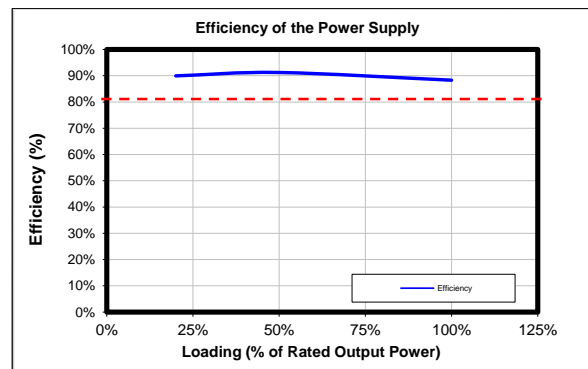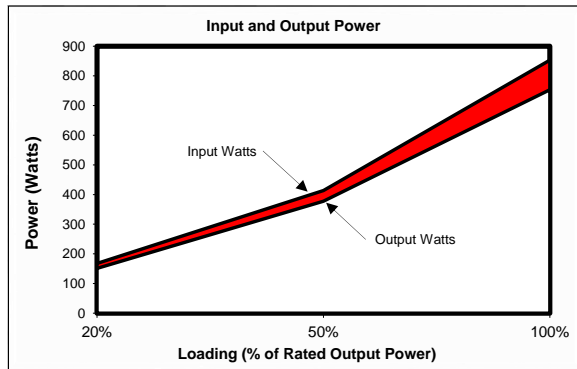
These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. *http://www.80plus.org/*