80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	**87.13%**
AVERAGE EFFICIENCY :	**85.41%**
80 PLUS COMPLIANT:	**YES**

Ecos ID #	1233.1
Manufacturer	THERMALTAKE TECHNOLOGY CO., LTD.
Model Number	TR-700P TR2-700AH2NFB
Serial Number	N/A
Year	2009
Type	ATX12V & EPS12V
Test Date	1/12/2009

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	11-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	**700**	**Watts**

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

Input Current and Voltage Waveforms
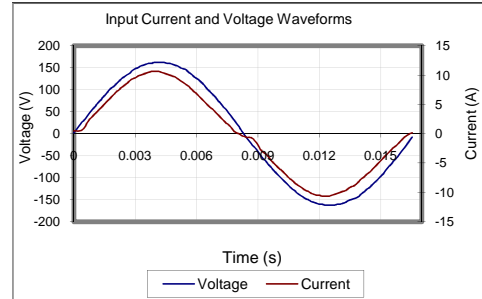
Input AC Current Waveform (ITHD = 15.3%, 50% Load)

I_{RMS} A	PF	I_{THD} (%)	Load (%)	Fraction of 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	26.05%	20%	**Light**	167.16	12/9.8	12/0.1	3.4/2.3	5.2/2.3	5.1/0.4	141.00	**84.35%**
3.55	0.99	15.30%	50%	**Typical**	403.30	12/24.6	12.1/0.3	3.4/5.7	5.2/5.7	5.1/1	351.40	**87.13%**
7.19	1.00	9.10%	100%	**Full**	823.20	11.9/49.1	12.1/0.5	3.4/11.4	5.1/11.4	5/2	697.75	**84.76%**

Input and Output Power

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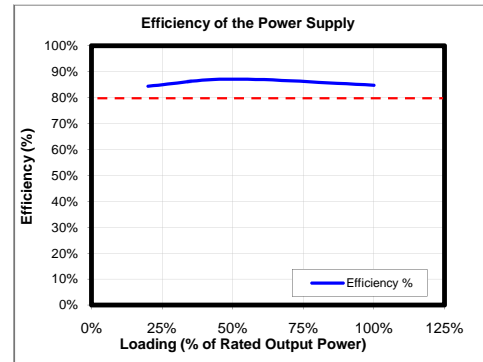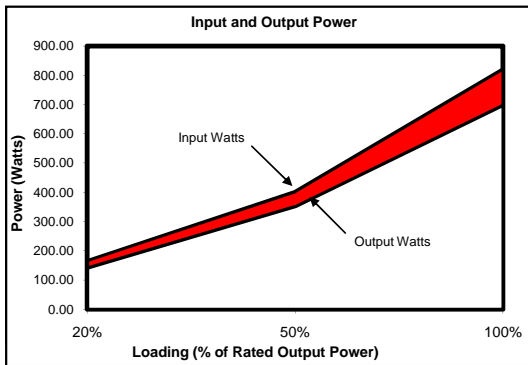
These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS® Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. *http://www.80plus.org/*