

80 PLUS Verification and Testing Report

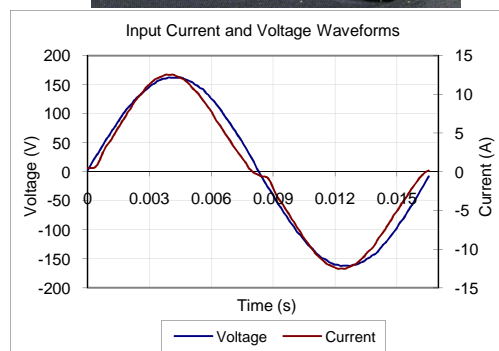
TYPICAL EFFICIENCY (50% Load):	87.09%
AVERAGE EFFICIENCY :	85.45%
80 PLUS COMPLIANT:	YES



Ecos ID #	1234.1
Manufacturer	THERMALTAKE TECHNOLOGY CO., LTD.
Model Number	TR-800P TR2-800AH2NF
Serial Number	N/A
Year	2009
Type	ATX12V
Test Date	1/12/2009

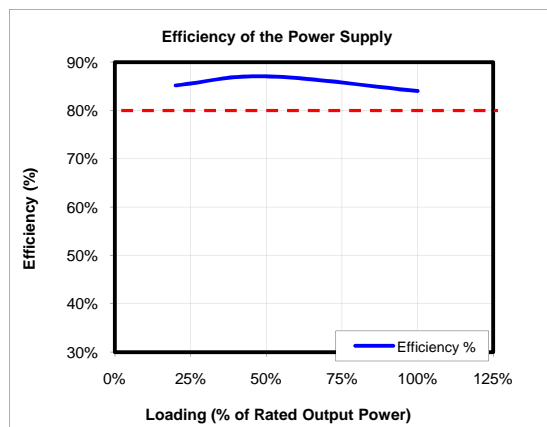
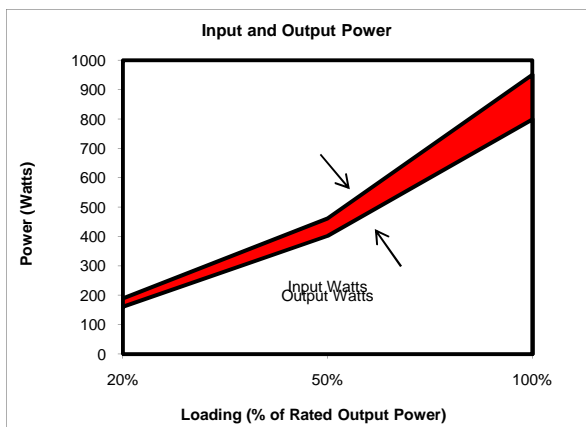
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12.5-6	Amps
Input Frequency	50-60	Hz
Rated Output Power	800	Watts

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



Input AC Current Waveform (ITHD = 17.29%, 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		
1.71	0.97	25.1%	20%	Light	189	12/11	12/0.1	3.4/2.9	5.2/2.9	5.1/0.4	161	85.21%
4.09	0.98	17.3%	50%	Typical	462	12/27.6	12.1/0.3	3.4/7.2	5.2/7.2	5.1/1	403	87.09%
8.33	0.99	11.1%	100%	Full	951	11.9/55.2	12.1/0.7	3.4/14.4	5.1/14.5	5/2.1	799	84.05%



EPRI | ELECTRIC POWER
RESEARCH INSTITUTE

These tests were conducted as a part of the 80 PLUS program. 80 PLUS is a computer buy-down program to promote high-efficiency power supplies (greater than 80% efficiency in the active mode) in desktop computers and desktop-derived servers.

Tested by Electric Power Research Institute, Knoxville, TN.

