

80 PLUS Verification and Testing Report

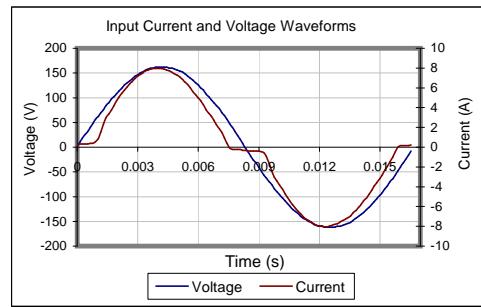
TYPICAL EFFICIENCY (50% Load): **86.73%**
AVERAGE EFFICIENCY : **84.94%**
80 PLUS COMPLIANT: **YES**



Ecos ID #	1275.1
Manufacturer	THERMALTAKE TECHNOLOGY CO., LTD.
Model Number	TR-500P TR2-500AH2NFB
Serial Number	N/A
Year	2009
Type	ATX12V
Test Date	1/26/2009

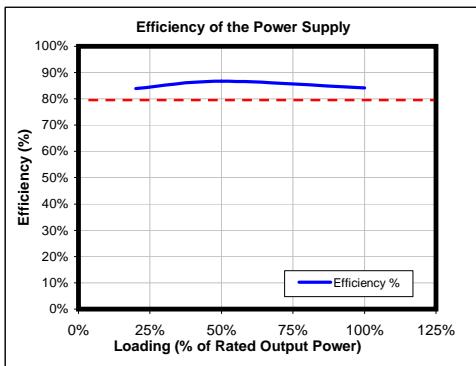
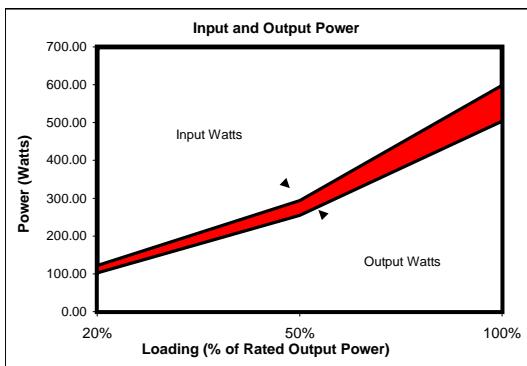
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7-3.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 26.19%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)				Efficiency %
						12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	
1.12	0.95	33.15%	20%	Light	121.78	12.2/6.3	12.1/0.1	3.4/2.6	5.2/2.6	5.2/0.4 102.27 83.98%
2.64	0.97	26.19%	50%	Typical	293.50	12.1/15.8	12/0.2	3.4/6.4	5.2/6.4	5.1/1.1 254.54 86.73%
5.29	0.98	18.48%	100%	Full	598.80	12.1/31.4	11.9/0.4	3.3/12.9	5.1/12.9	5.1/2.2 503.67 84.11%



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/>

