

80 PLUS Verification and Testing Report

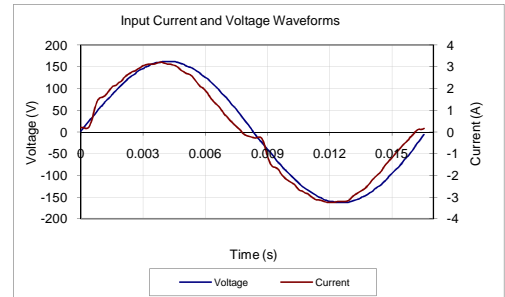
TYPICAL EFFICIENCY (50% Load):	83.72%
AVERAGE EFFICIENCY :	81.98%
80 PLUS COMPLIANT:	YES



Ecos ID #	2754
Manufacturer	Thermaltake Technology Co., Ltd.
Model Number	W0391RE TR2-430AH2NH
Serial Number	N/A
Year	2011
Type	ATX12V,EPS12V
Test Date	9/1/2011

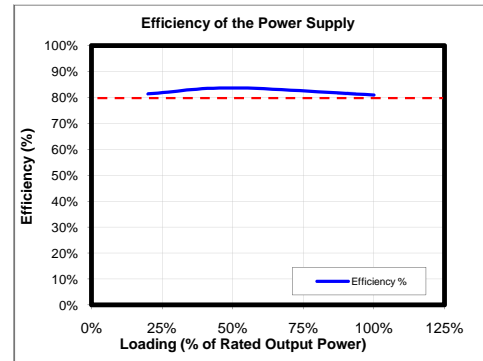
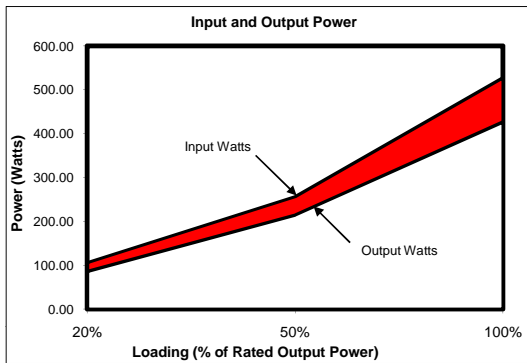
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	430	Watts

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



Input AC Current Waveform (ITHD = 8.77%, 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		
0.93	0.99	11.22%	20%	Light	106.15	12/5.4	11.9/0	3.3/2.9	5/1.9	5/0.4	86.33	81.33%
2.26	0.99	8.77%	50%	Typical	256.70	12/13.5	11.9/0.1	3.3/7.4	4.9/4.6	5/1	214.90	83.72%
4.61	1.00	4.85%	100%	Full	528.00	11.9/27	12/0.2	3.3/14.6	4.9/9.2	4.9/2	427.06	80.88%



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/>

