

## 80 PLUS Verification and Testing Report

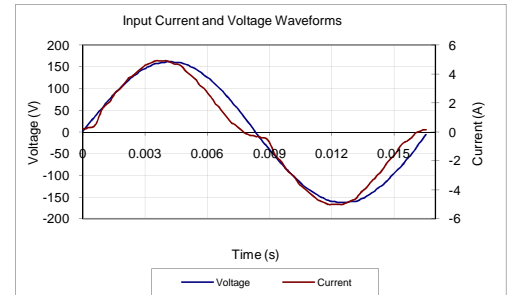
TYPICAL EFFICIENCY (50% Load):	84.89%
AVERAGE EFFICIENCY :	83.14%
80 PLUS COMPLIANT:	YES



Ecos ID #	2756
Manufacturer	Thermaltake Technology Co., Ltd
Model Number	W0393RE TR2-630AH2NH
Serial Number	N/A
Year	2011
Type	ATX12V,EPS12V
Test Date	9/7/2011

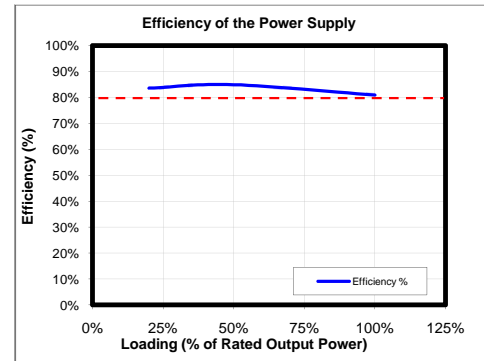
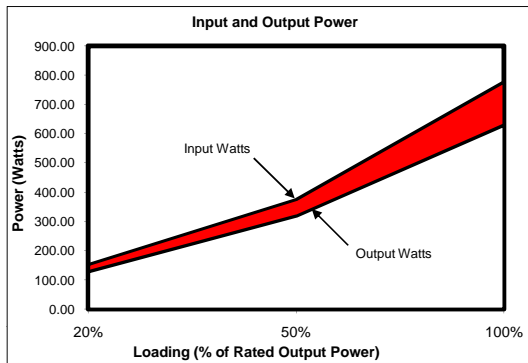
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	630	Watts

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



Input AC Current Waveform (ITHD = 14.12%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	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		
1.34	0.99	12.18%	20%	Light	152.89	12.2/8.2	11.7/0	3.3/3.7	5/2.3	5/0.5	127.78	83.58%
3.32	0.98	14.12%	50%	Typical	375.20	12.1/20.7	11.7/0.1	3.3/9.2	5/5.8	5/1.4	318.51	84.89%
6.80	0.99	8.76%	100%	Full	777.60	12/41.3	11.8/0.3	3.3/18.3	4.9/11.5	4.9/2.7	629.50	80.95%



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/>

