

80 PLUS Verification and Testing Report

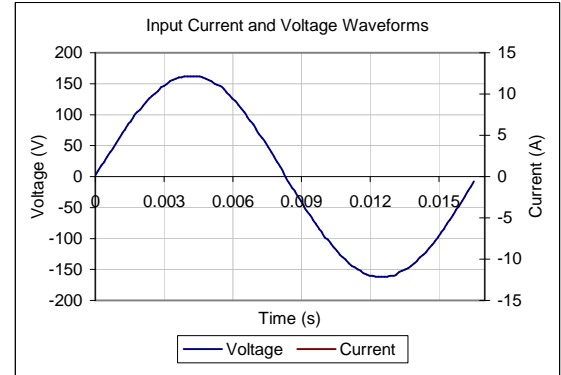
TYPICAL EFFICIENCY (50% Load):	84.46%
AVERAGE EFFICIENCY :	82.38%
80 PLUS COMPLIANT:	YES



Ecos ID #	61.2
Manufacturer	Thermaltake
Model Number	W0105RU
Serial Number	D64351943
Year	2006
Type	ATX12V
Test Date	8/1/2006

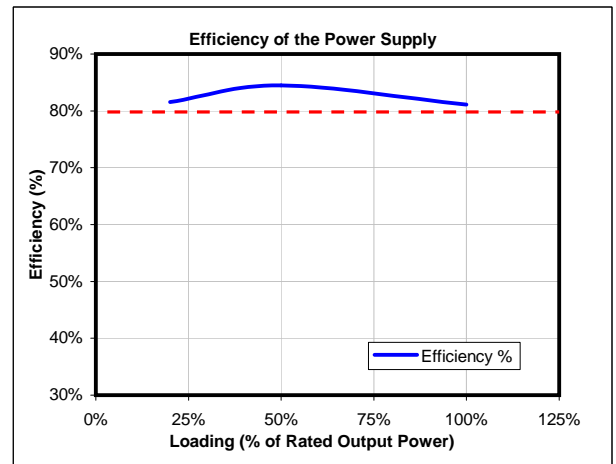
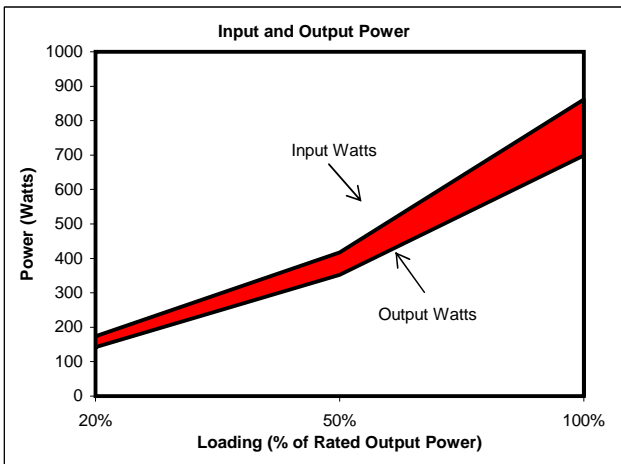
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5A	Amps
Input Frequency	47-63Hz	Hz
Rated Output Power	700W	Watts

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



Input AC Current Waveform (ITHD = 8.38%, 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		
1.54	0.98	11.2%	20%	Light	174	12.15/9.44	12.3/0.1	3.3/3	5.1/2.8	5/0.4	142	81.55%
3.64	0.99	8.4%	50%	Typical	417	12.1/23.6	12.4/0.3	3.2/7.4	5/6.9	4.9/1	352	84.46%
7.51	1.00	7.1%	100%	Full	862	12.05/47.16	12.6/0.5	3.2/14.8	5/13.8	4.9/2	699	81.11%



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.