

80 PLUS Verification and Testing Report

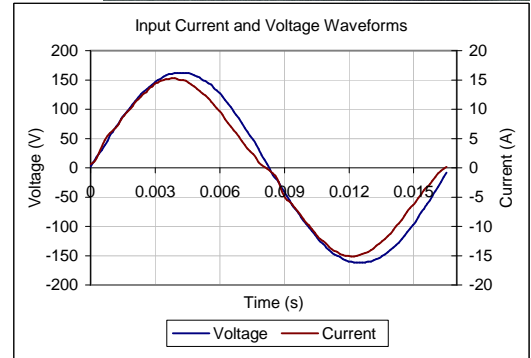
TYPICAL EFFICIENCY (50% Load): 86.91%
AVERAGE EFFICIENCY : 85.26%
80 PLUS COMPLIANT: YES



Ecos ID #	1174.1
Manufacturer	TUNIQ
Model Number	PSU-RIP1000-(EUAP-UKAP)-BK-
Serial Number	N/A
Year	2008
Type	ATX12V
Test Date	12/3/2008

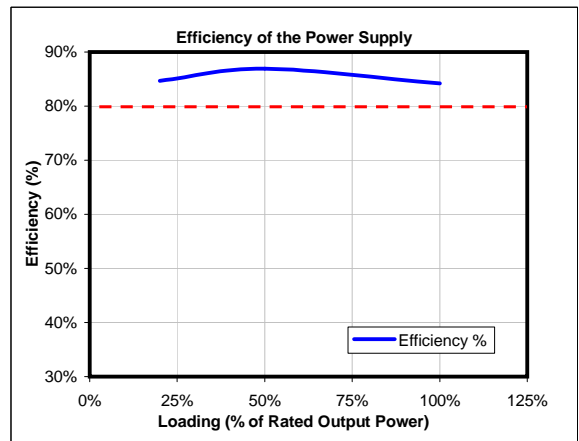
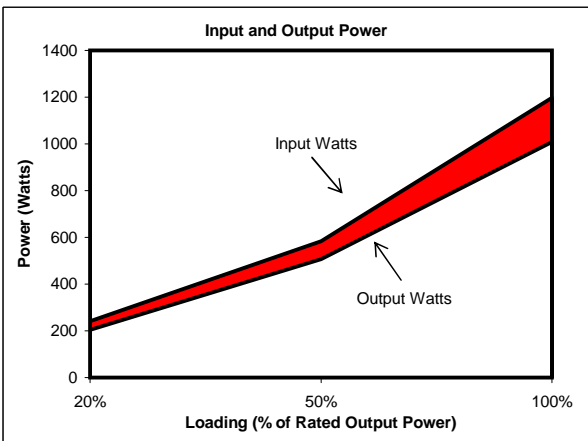
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	13	Amps
Input Frequency	50-60	Hz
Rated Output Power	1000	Watts

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



Input AC Current Waveform (ITHD = 9.29%, 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
2.22	0.94	17.6%	20%	Light	241	12.2/13.6	11.8/0.1	3.4/3.8	5.2/4	5.2/0.5	204	84.68%
5.16	0.98	9.3%	50%	Typical	584	12.1/34	11.9/0.4	3.4/9.4	5.1/10	5.1/1.4	507	86.91%
10.48	0.99	6.2%	100%	Full	1198	12.1/68	11.9/0.7	3.4/18.6	5.1/20.1	5.1/2.7	1008	84.17%



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.