

80 PLUS Verification and Testing Report

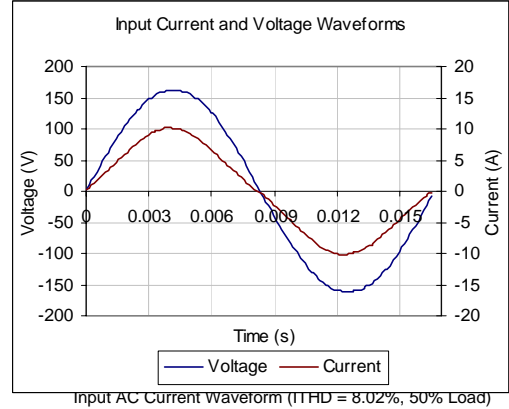


TYPICAL EFFICIENCY (50% Load):	84.28%
AVERAGE EFFICIENCY :	81.98%
80 PLUS COMPLIANT:	YES

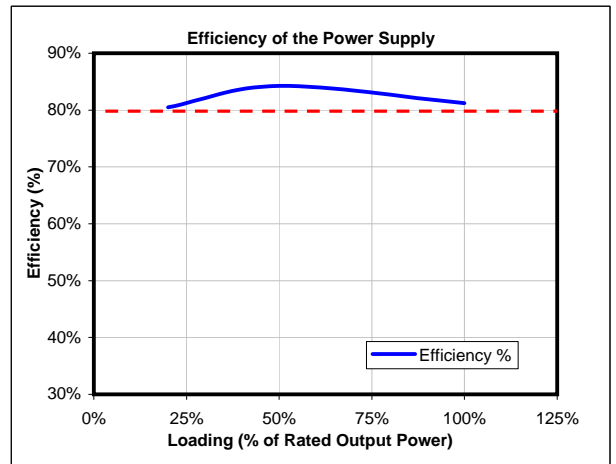
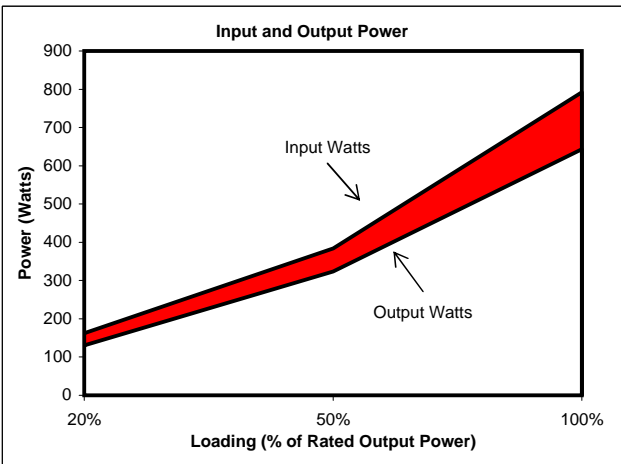
Ecos ID #	157.3
Manufacturer	AEROCOOL
Model Number	EN53082
Serial Number	NA
Year	2008
Type	ATX12V & EPS12V
Test Date	1/14/2008

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8/4	Amps
Input Frequency	47-63	Hz
Rated Output Power	650	Watts

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



I _{RMS} A	PF	I _{THD} (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)								Output Watts	Efficiency %
						12V1	12V2	12V3	12V4	-12V	3.3V	5V*	5VSB		
1.43	1.00	10.2%	20%	Light	162	12/2.2	12/2.2	12.1/2.2	12/2.2	12.1/0.1	3.3/2.7	5/2.6	5.1/0.4	130	80.46%
3.36	0.99	8.0%	50%	Typical	384	12/5.5	12/5.5	12/5.5	11.9/5.5	12.1/0.2	3.3/6.9	5/6.4	5/0.9	324	84.28%
6.91	1.00	7.1%	100%	Full	792	11.9/10.9	11.9/10.9	12/10.9	11.9/10.9	12.3/0.5	3.2/13.7	5/12.8	5/1.8	643	81.20%



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.