

80 PLUS Verification and Testing Report

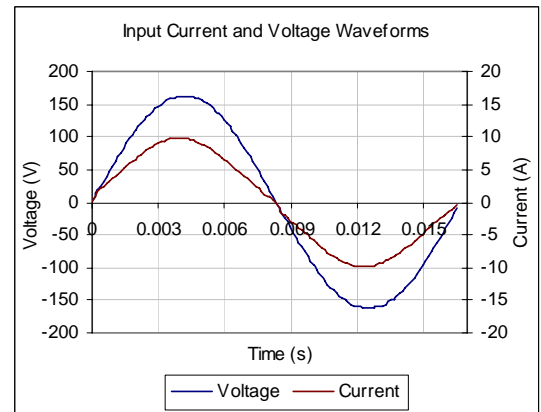


TYPICAL EFFICIENCY (50% Load):	84.39%
AVERAGE EFFICIENCY :	82.49%
80 PLUS COMPLIANT:	YES

Ecos ID #	59
Manufacturer	Topower
Model Number	TOP-630P1
Serial Number	N/A
Year	2006
Type	ATX12V
Test Date	7/18/2006

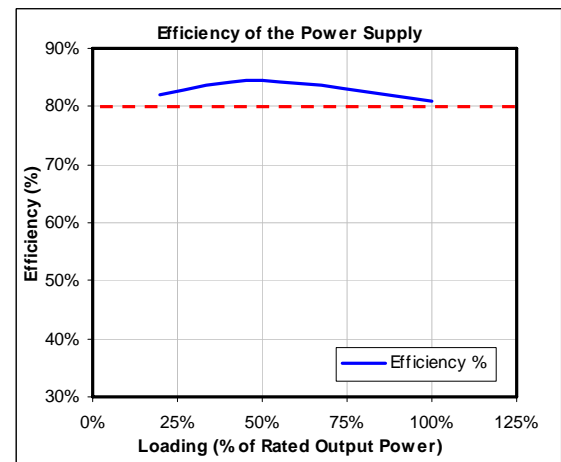
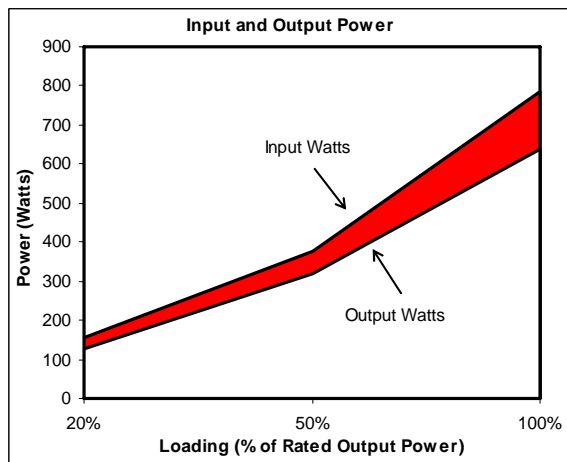
Rated Specifications	Value	Units
Input Voltage	115 - 230	Volts
Input Current	12 - 6	Amps
Input Frequency	60 - 50	Hz
Rated Output Power	630	Watts

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



Input AC Current Waveform (I_{THD} = 4.3%, 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 %
						12V1	12V2	12V3	-12V	3.3V	5V*	5VSB		
1.37	0.98	6.2%	20%	Light	155	12.1/2.7	12.1/2.7	12.2/2.7	12.1/0.2	3.3/2.9	5.1/2.9	5.2/0.4	128	82.06%
3.29	1.00	4.3%	50%	Typical	377	12.2/6.8	12.2/6.8	12.2/6.8	12.2/0.4	3.3/7.3	5.0/7.3	5.1/1.0	318	84.39%
6.84	1.00	4.0%	100%	Full	786	12.2/13.6	12.2/13.6	12.2/13.6	12.3/0.8	3.3/14.5	5.0/14.5	5.0/2.0	637	81.01%



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 EPRI Solutions Inc., Knoxville, TN.