

80 PLUS Verification and Testing Report

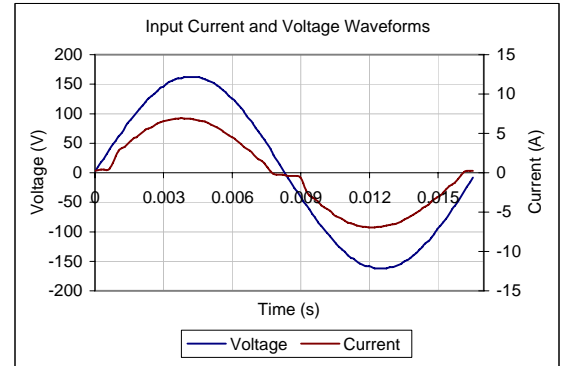


TYPICAL EFFICIENCY (50% Load):	83.94%
AVERAGE EFFICIENCY :	81.67%
80 PLUS COMPLIANT:	YES

Ecos ID #	840
Manufacturer	BE QUIET!
Model Number	BQT E6-450W
Serial Number	S8271002753
Year	2008
Type	ATX12V & EPS12V
Test Date	7/29/2008

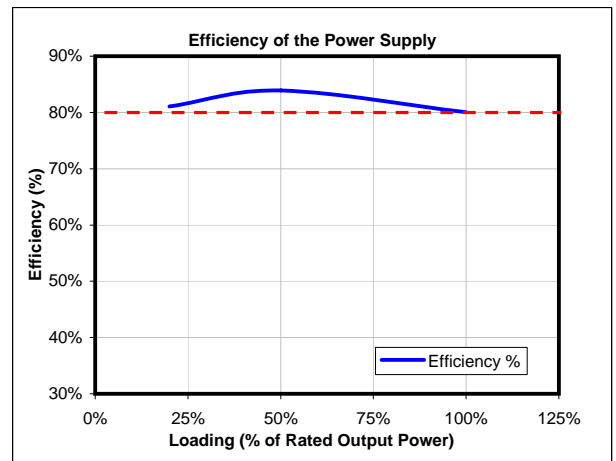
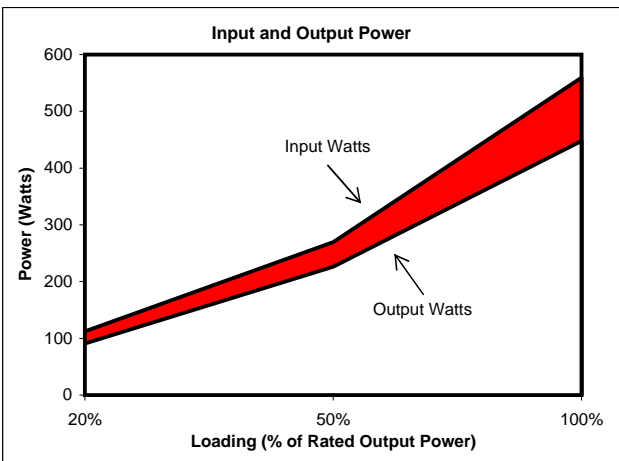
Rated Specifications	Value	Units
Input Voltage	110-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	450	Watts

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



Input AC Current Waveform (ITHD = 12.55%, 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
0.98	0.99	8.2%	20%	Light	112	12.1/5.3	12.2/0.1	3.3/2.8	5.1/2.8	5/0.4	91	81.05%
2.37	0.99	12.6%	50%	Typical	270	12.1/13.3	12.3/0.2	3.3/7.1	5/7.1	5/1.1	226	83.94%
4.90	0.99	9.3%	100%	Full	560	12.1/26.5	12.3/0.4	3.2/14.1	4.9/14.1	4.8/2.2	448	80.03%



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.