

80 PLUS Verification and Testing Report

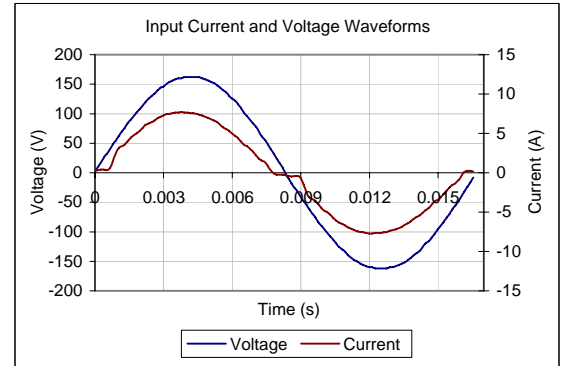


TYPICAL EFFICIENCY (50% Load):	84.50%
AVERAGE EFFICIENCY :	82.49%
80 PLUS COMPLIANT:	YES

Ecos ID #	841
Manufacturer	BE QUIET!
Model Number	BQT E6-500W
Serial Number	S8271005619
Year	2008
Type	ATX12V & EPS12V
Test Date	7/29/2008

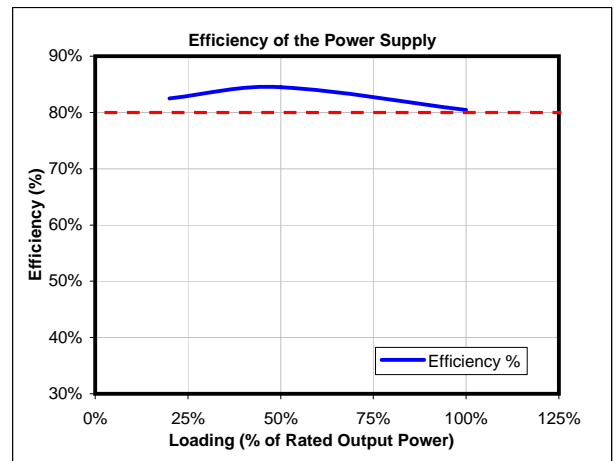
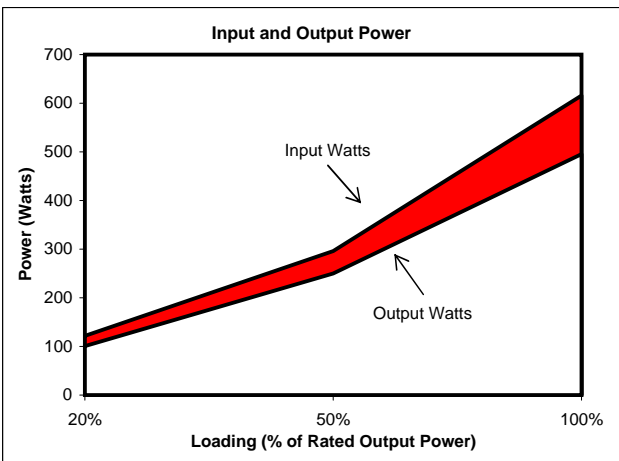
Rated Specifications	Value	Units
Input Voltage	110-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 12.79%, 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
1.07	0.99	12.2%	20%	Light	122	12/6.1	12.1/0.1	3.3/2.9	5.1/2.9	5.1/0.5	100	82.52%
2.60	0.99	12.8%	50%	Typical	296	12/15.2	12.2/0.2	3.3/7.3	5/7.3	5/1.1	250	84.50%
5.39	0.99	9.5%	100%	Full	616	12/30.3	12.3/0.4	3.2/14.5	4.9/14.5	4.9/2.3	496	80.45%



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.