

80 PLUS Verification and Testing Report

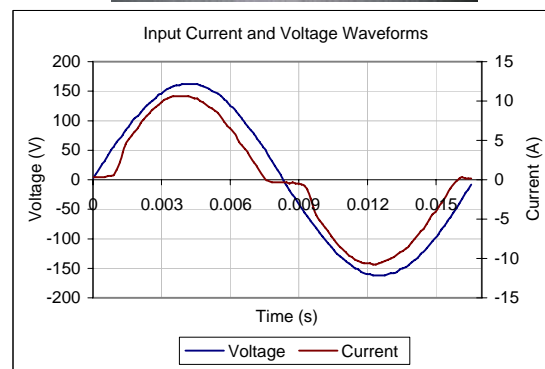
TYPICAL EFFICIENCY (50% Load): 84.43%
AVERAGE EFFICIENCY : 82.65%
80 PLUS COMPLIANT: YES



Ecos ID #	844
Manufacturer	BE QUIET!
Model Number	BQT E6-650W
Serial Number	S8261003234
Year	2008
Type	ATX12V & EPS12V
Test Date	7/29/2008

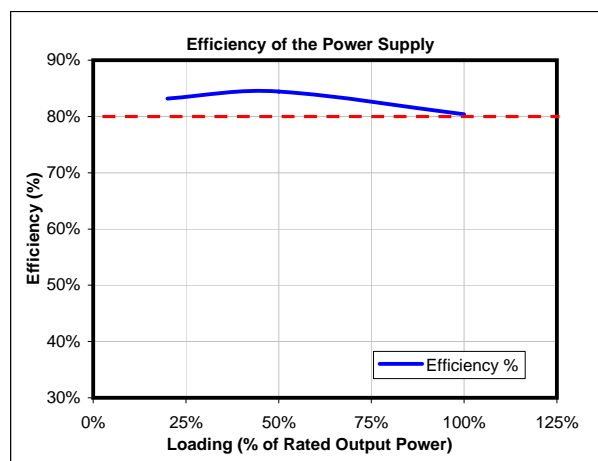
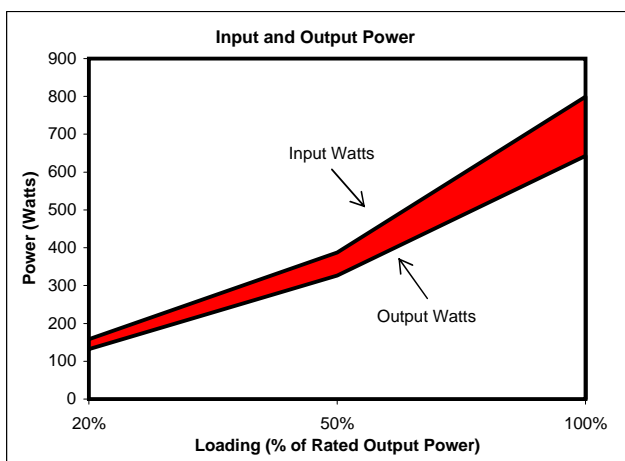
Rated Specifications	Value	Units
Input Voltage	110-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 24.92%, 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		
1.44	0.95	29.4%	20%	Light	158	12.1/8.2	12.2/0.1	3.3/3.7	5.1/3.2	5.1/0.5	132	83.16%
3.48	0.97	24.9%	50%	Typical	387	12.1/20.6	12.3/0.2	3.2/9.3	5/8	5/1.2	327	84.43%
7.07	0.98	17.6%	100%	Full	800	11.9/41	12.3/0.4	3.2/18.5	4.9/16	4.8/2.4	643	80.36%



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS® Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. <http://www.80plus.org/>

