

80 PLUS Verification and Testing Report

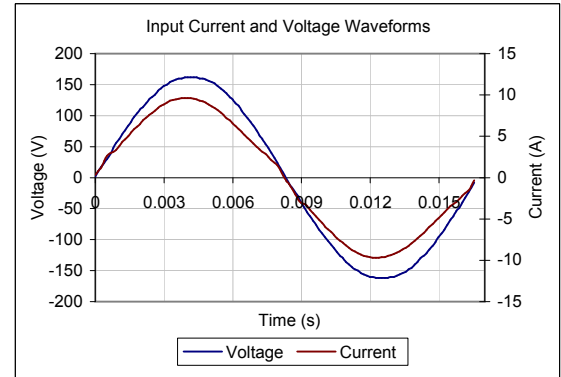


TYPICAL EFFICIENCY (50% Load):	83.46%
AVERAGE EFFICIENCY :	81.58%
80 PLUS COMPLIANT:	YES

Ecos ID #	496
Manufacturer	be quiet!
Model Number	BQT P7-Pro-650W
Serial Number	na
Year	2008
Type	ATX12V
Test Date	1/9/2008

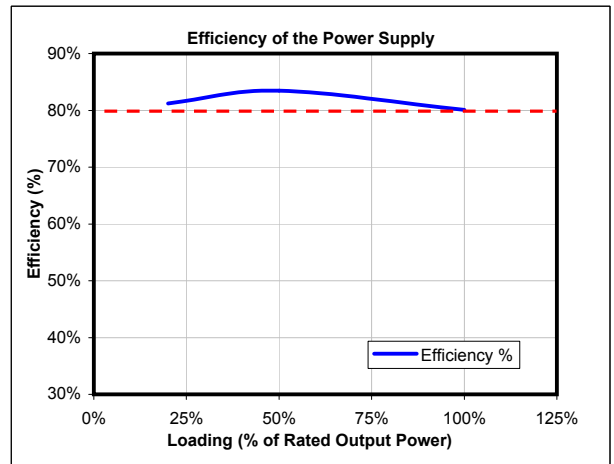
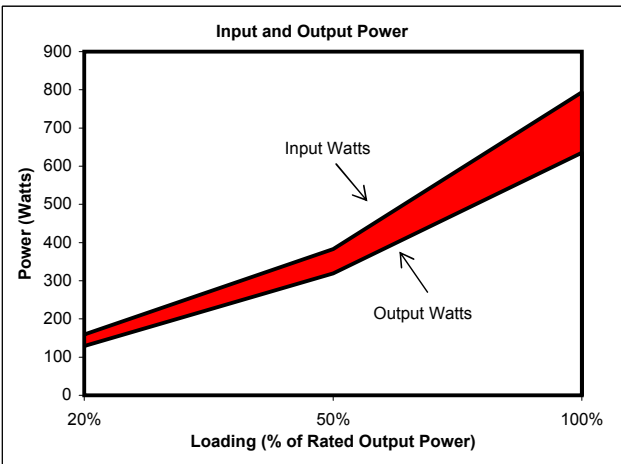
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 5.03%, 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		
1.40	0.99	10.0%	20%	Light	159	11.9/8.2	11.9/0.1	3.3/2.9	5/3.4	5/0.6	129	81.21%
3.34	1.00	5.0%	50%	Typical	383	11.8/20.6	11.8/0.3	3.2/7.4	4.9/8.5	4.8/1.6	319	83.46%
6.91	1.00	5.8%	100%	Full	794	11.7/41.1	12/0.6	3.2/14.7	4.9/17	4.7/3.2	635	80.08%



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.