

80 PLUS Verification and Testing Report

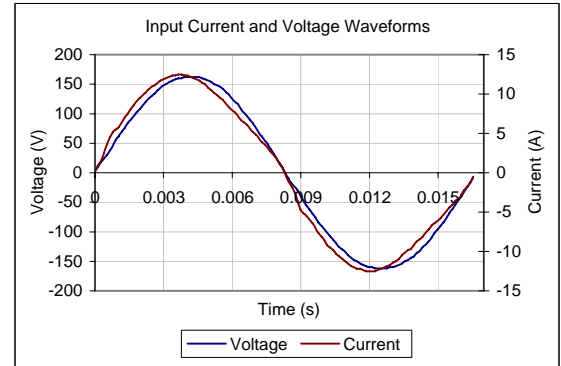


TYPICAL EFFICIENCY (50% Load):	85.64%
AVERAGE EFFICIENCY :	83.68%
80 PLUS COMPLIANT:	YES

Ecos ID #	600
Manufacturer	be quiet!
Model Number	BQT P7-Pro-850W
Serial Number	S8081000006
Year	2008
Type	ATX12V
Test Date	3/12/2008

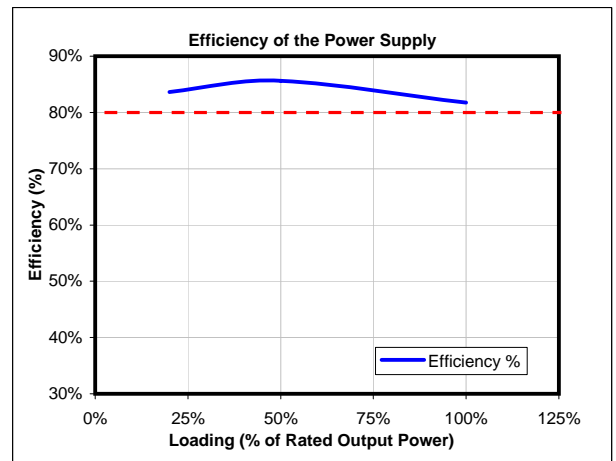
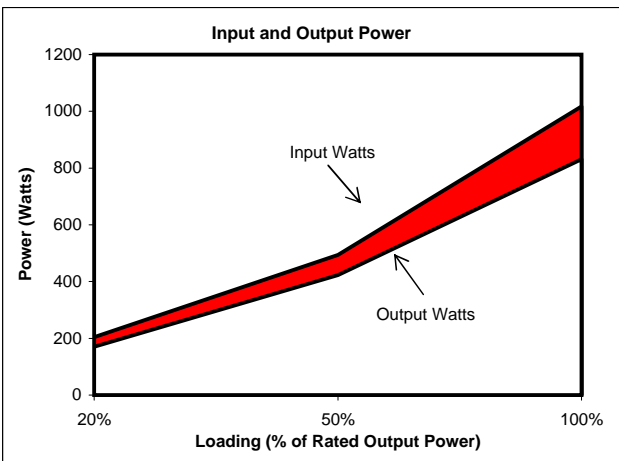
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	18	Amps
Input Frequency	50-60	Hz
Rated Output Power	850	Watts

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



Input AC Current Waveform (ITHD = 6.32%, 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
1.82	0.97	8.7%	20%	Light	204	12/11.3	11.9/0.1	3.4/3.4	5/3.7	5.1/0.7	170	83.64%
4.33	0.99	6.3%	50%	Typical	494	11.9/28.3	12/0.3	3.3/8.6	5/9.2	5/1.7	423	85.64%
8.90	0.99	7.8%	100%	Full	1017	11.7/56.5	12/0.7	3.2/17.2	4.9/18.4	4.8/3.3	831	81.77%



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.