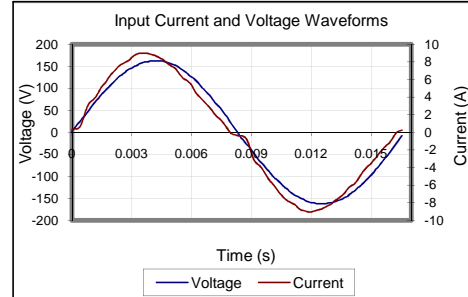


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	86.41%
AVERAGE EFFICIENCY :	84.89%
80 PLUS COMPLIANT:	YES



Ecos ID #	1608
Manufacturer	BE QUIET
Model Number	BQT E7-CM-580W
Serial Number	122S9271000006
Year	2009
Type	ATX12V
Test Date	8/13/2009

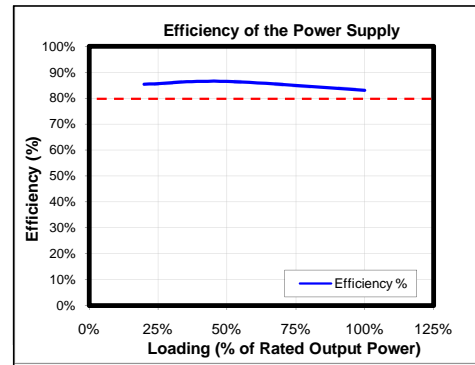
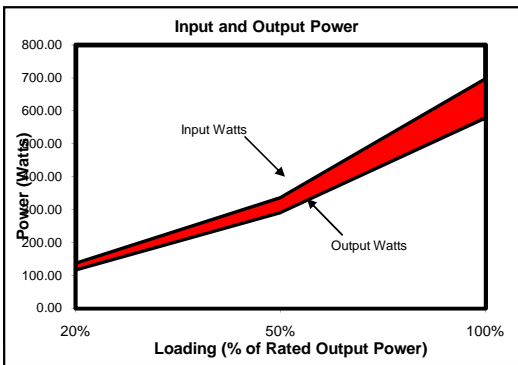


Input AC Current Waveform (ITHD = 13.72%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	9-4.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	580	Watts

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

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.)						
1.23	0.9636	22.48%	20%	Light	136.91	12/7	11.8/0.1	3.4/3.5	5.1/3.2	5/0.6	116.80	85.31%
2.99	0.9788	13.72%	50%	Typical	337.00	12/17.6	11.8/0.2	3.4/8.7	5/8	5/1.4	291.20	86.41%
6.13	0.9894	9.24%	100%	Full	698.30	12/35.3	11.8/0.5	3.3/17.4	5/16.1	5/2.8	579.14	82.94%



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.