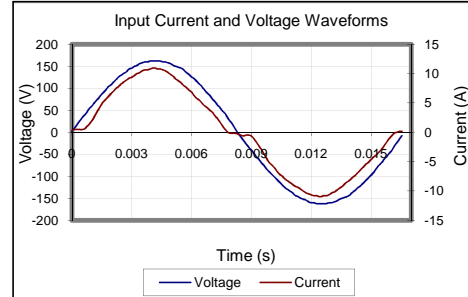


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	86.86%
AVERAGE EFFICIENCY :	85.25%
80 PLUS COMPLIANT:	YES



Ecos ID #	1610
Manufacturer	BE QUIET
Model Number	BQT E7-CM-680W
Serial Number	123S9271000012
Year	2009
Type	ATX12V
Test Date	8/13/2009

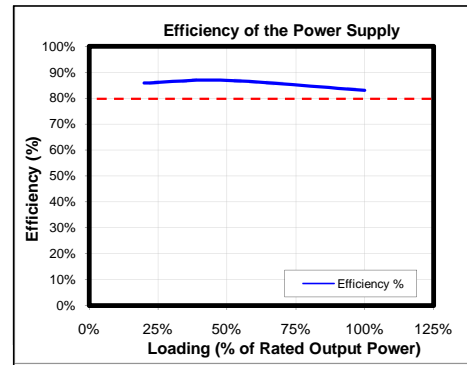
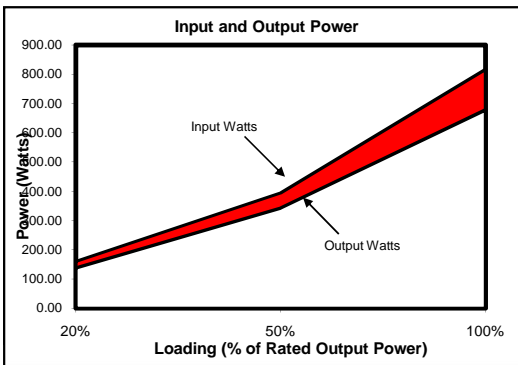


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	680	Watts

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

Input AC Current Waveform (ITHD = 26.43%, 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.)					
1.42	0.9806	16.10%	20%	Light	160.50	12.1/8.8					
3.56	0.9636	26.43%	50%	Typical	394.80	12.1/22				137.77	85.84%
7.18	0.9900	13.53%	100%	Full	817.40	12/44				678.84	83.05%



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.