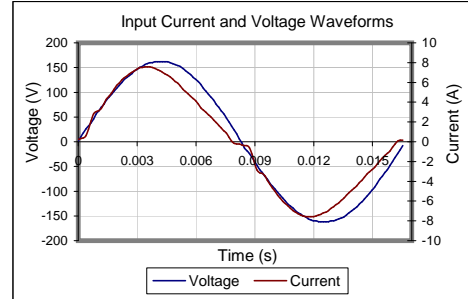


80 PLUS Verification and Testing Report

| | |
|--------------------------------|--------|
| TYPICAL EFFICIENCY (50% Load): | 85.92% |
| AVERAGE EFFICIENCY : | 84.49% |
| 80 PLUS COMPLIANT: | YES |



| | |
|---------------|----------------|
| Ecos ID # | 1605 |
| Manufacturer | BE QUIET |
| Model Number | BQT E7-CM-480W |
| Serial Number | 121S9271000013 |
| Year | 2009 |
| Type | ATX12V |
| Test Date | 8/13/2009 |

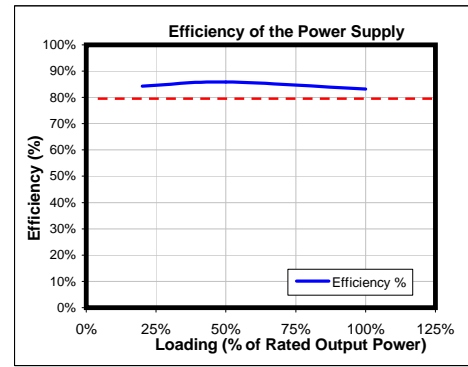
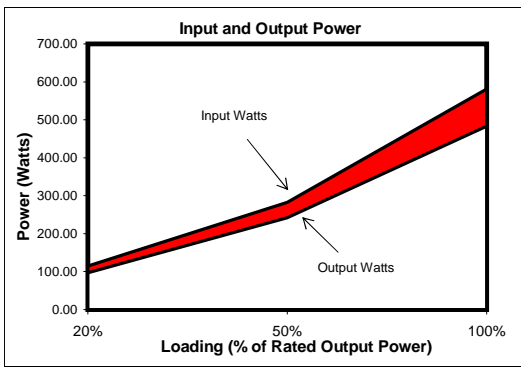


| Rated Specifications | Value | Units |
|----------------------|---------|-------|
| Input Voltage | 100-240 | Volts |
| Input Current | 7-3.5 | Amps |
| Input Frequency | 50-60 | Hz |
| Rated Output Power | 480 | Watts |

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

Input AC Current Waveform (ITHD = 14.04%, 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.) | | | | | | | | | | |
| 1.03 | 0.9726 | 20.68% | 20% | Light | 114.85 | 12.1/5.8 | | | | | 11.9/0 | 3.4/3.1 | 5/2.6 | 5/0.5 | 96.87 | 84.35% |
| 2.52 | 0.9737 | 14.04% | 50% | Typical | 282.20 | 12.1/14.6 | | | | | 12/0.1 | 3.4/7.8 | 5/6.5 | 5/1.2 | 242.47 | 85.92% |
| 5.12 | 0.9847 | 14.04% | 100% | Full | 580.70 | 12.1/29.1 | | | | | 12/0.2 | 3.3/15.5 | 5/12.9 | 5/2.5 | 483.08 | 83.19% |



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.