

80 PLUS Verification and Testing Report

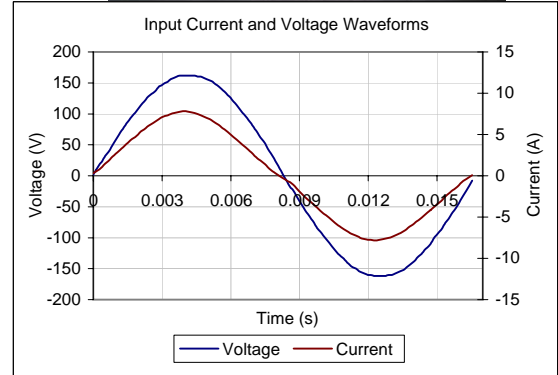


| | |
|---------------------------------------|---------------|
| TYPICAL EFFICIENCY (50% Load): | 84.44% |
| AVERAGE EFFICIENCY : | 82.50% |
| 80 PLUS COMPLIANT: | YES |

| | |
|----------------------|-----------|
| Ecos ID # | 405.1 |
| Manufacturer | AEROCOOL |
| Model Number | EN53075 |
| Serial Number | NA |
| Year | 2008 |
| Type | ATX12V |
| Test Date | 1/14/2008 |

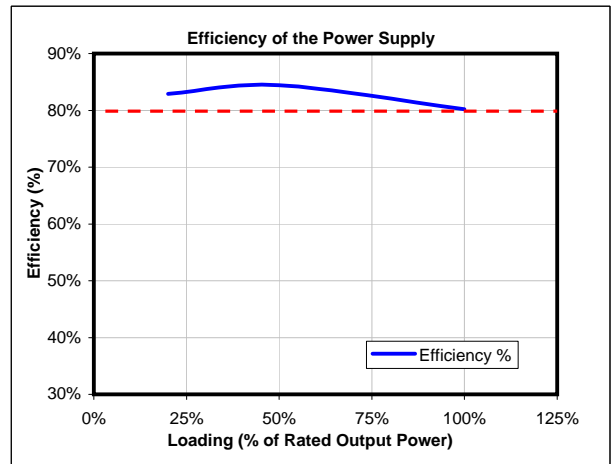
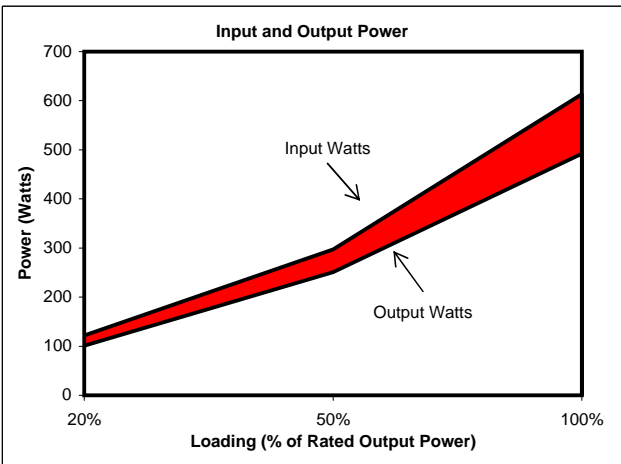
| Rated Specifications | Value | Units |
|---------------------------|------------|--------------|
| Input Voltage | 100-240 | Volts |
| Input Current | 6 | Amps |
| Input Frequency | 50/60 | Hz |
| Rated Output Power | 500 | Watts |

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



Input AC Current Waveform (ITHD = 9.7%, 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 | | |
| 1.09 | 0.97 | 15.2% | 20% | Light | 122 | 12.1/6.2 | 12.2/0.1 | 3.3/3.5 | 5/2.2 | 5.1/0.6 | 101 | 82.88% |
| 2.61 | 0.99 | 9.7% | 50% | Typical | 297 | 12/15.5 | 12.3/0.1 | 3.3/8.7 | 5/5.4 | 5.1/1.5 | 251 | 84.44% |
| 5.35 | 1.00 | 6.6% | 100% | Full | 613 | 11.8/30.9 | 12.4/0.3 | 3.2/17.2 | 4.9/10.8 | 4.9/3 | 492 | 80.19% |



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.