

80 PLUS Verification and Testing Report

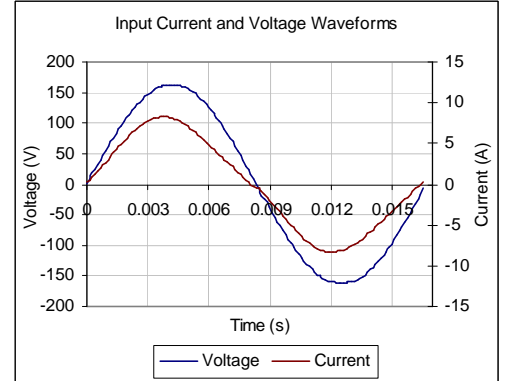
| | |
|---------------------------------------|---------------|
| TYPICAL EFFICIENCY (50% Load): | 84.96% |
| AVERAGE EFFICIENCY : | 83.27% |
| 80 PLUS COMPLIANT: | YES |



| | |
|----------------------|-----------|
| Ecos ID # | 102 |
| Manufacturer | AcBel |
| Model Number | API5PC37 |
| Serial Number | N/A |
| Year | 2006 |
| Type | ATX12V |
| Test Date | 9/13/2006 |

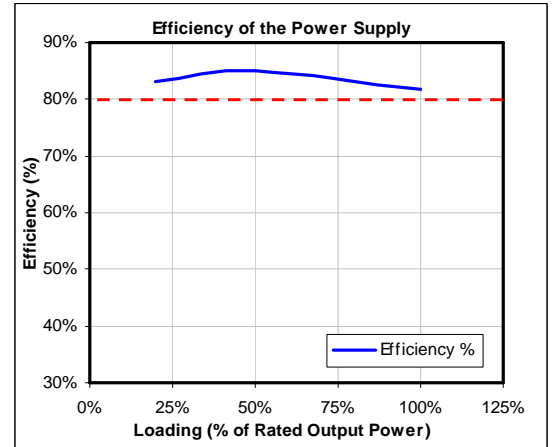
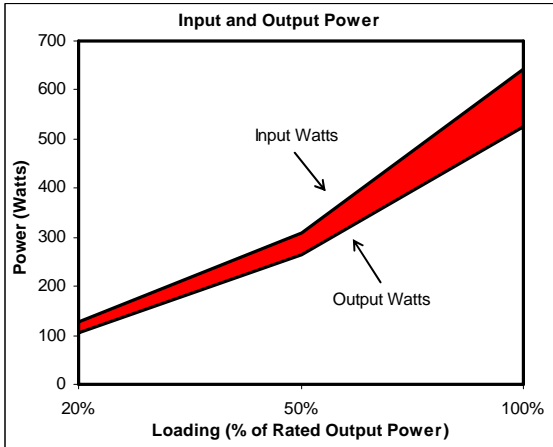
| Rated Specifications | Value | Units |
|---------------------------|------------|--------------|
| Input Voltage | 100 - 240 | Volts |
| Input Current | 10 - 5 | Amps |
| Input Frequency | 60 - 50 | Hz |
| Rated Output Power | 525 | Watts |

Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz. Fan LEDs were illuminated during all tests.



Input AC Current Waveform (ITHD = 10.43%, 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 % |
|-----------------------|------|----------------------|----------|------------------|-------------|---|----------|----------|----------|----------|----------|-------|--------------|--------------|
| | | | | | | 12V1 | 12V2 | 12V3 | -12V | 3.3V | 5V* | 5VSB | | |
| 1.13 | 0.97 | 13.3% | 20% | Light | 127 | 12/2.2 | 12/2 | 12/2 | 12.3/0.2 | 3.3/3.1 | 5/3.2 | 5/0.6 | 105 | 83.16% |
| 2.72 | 0.99 | 10.4% | 50% | Typical | 310 | 12.1/5.5 | 12/5 | 12/5 | 12.3/0.4 | 3.3/7.7 | 4.9/8 | 5/1.5 | 263 | 84.96% |
| 5.61 | 0.99 | 8.4% | 100% | Full | 641 | 12.1/11 | 12.1/9.9 | 12.1/9.9 | 12.2/0.8 | 3.3/15.3 | 4.9/15.9 | 4.9/3 | 524 | 81.71% |



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 EPRI Solutions Inc., Knoxville, TN.