

80 PLUS Verification and Testing Report



| | |
|---------------------------------------|---------------|
| TYPICAL EFFICIENCY (50% Load): | 84.68% |
| AVERAGE EFFICIENCY : | 83.04% |
| 80 PLUS COMPLIANT: | YES |

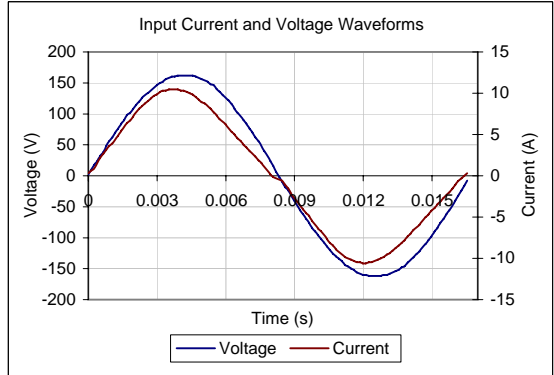
| | |
|----------------------|-----------|
| Ecos ID # | 279 |
| Manufacturer | ACBEL |
| Model Number | PC6024 |
| Serial Number | NA |
| Year | 2007 |
| Type | ATX12V |
| Test Date | 6/22/2007 |

| Rated Specifications | Value | Units |
|---------------------------|-------------|--------------|
| Input Voltage | 100-240 | Volts |
| Input Current | 10 | Amps |
| Input Frequency | 50-60 | Hz |
| Rated Output Power | 700* | Watts |

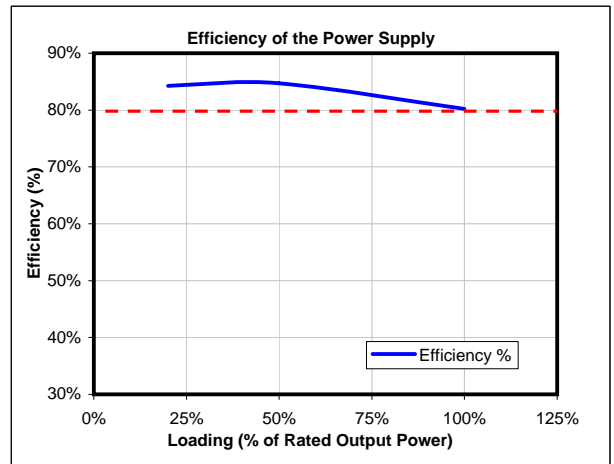
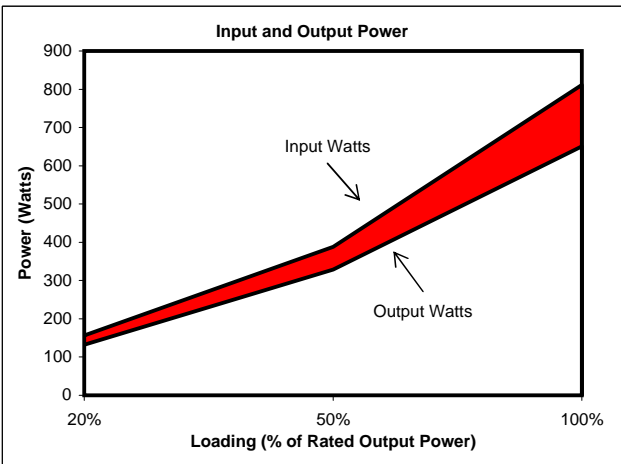
Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz.

***Actual Max Rated Watts: 650W**

| 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 | | |
| 1.39 | 0.98 | 12.6% | 20% | Light | 156 | 12.2/8 | 12/0.2 | 3.4/3.5 | 5/3.5 | 5.1/0.7 | 132 | 84.24% |
| 3.42 | 0.99 | 10.6% | 50% | Typical | 388 | 12.2/19.9 | 12/0.4 | 3.3/8.7 | 5/8.7 | 5.1/1.8 | 328 | 84.68% |
| 7.11 | 0.99 | 8.1% | 100% | Full | 812 | 12.1/39.8 | 11.5/0.8 | 3.3/17.4 | 4.9/17.5 | 4.9/3.5 | 651 | 80.18% |



Input AC Current Waveform (ITHD = 10.63%, 50% Load)



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.