

80 PLUS Verification and Testing Report

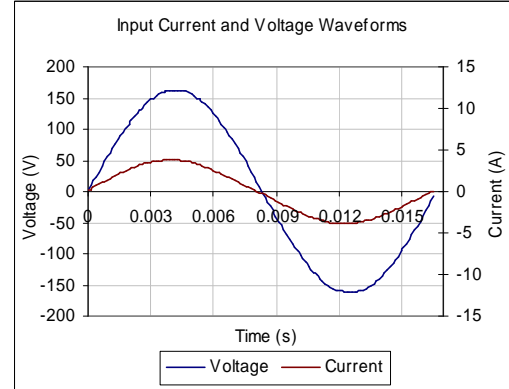
| | |
|--------------------------------|--------|
| TYPICAL EFFICIENCY (50% Load): | 80.90% |
| AVERAGE EFFICIENCY : | 80.41% |
| 80 PLUS COMPLIANT: | YES |



| | |
|---------------|---------------|
| Ecos ID # | 186 |
| Manufacturer | Sparkle Power |
| Model Number | SPI220LE |
| Serial Number | N/A |
| Year | 2007 |
| Type | EPS1U |
| Test Date | 3/8/2007 |

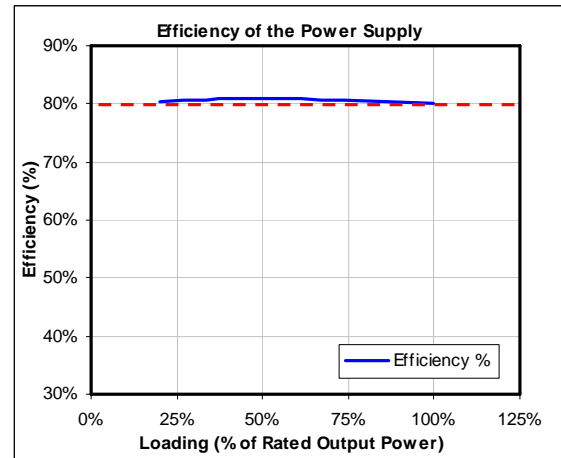
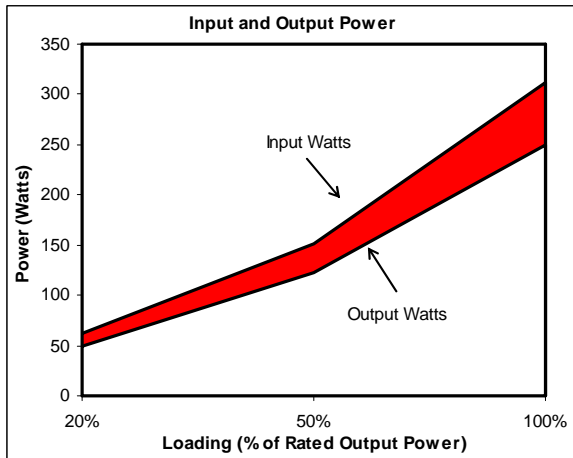
| Rated Specifications | Value | Units |
|---------------------------|------------|--------------|
| Input Voltage | 100-240 | Volts |
| Input Current | 4-2 | Amps |
| Input Frequency | 60-50 | Hz |
| Rated Output Power | 250 | Watts |

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



Input AC Current Waveform (ITHD = 5.88%, 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 | -12V | 3.3V | 5V* | 5VSB | | |
| 0.55 | 0.98 | 6.5% | 20% | Light | 62 | 12.2/1.5 | 12.2/1 | 11.2/0.1 | 3.3/1.8 | 5.1/2 | 5/0.5 | 50 | 80.32% |
| 1.32 | 0.99 | 5.9% | 50% | Typical | 151 | 12.2/3.8 | 12.2/2.4 | 12.2/0.1 | 3.3/4.4 | 5/5.1 | 4.9/1 | 122 | 80.90% |
| 2.72 | 1.00 | 3.8% | 100% | Full | 312 | 12.2/7.6 | 12.1/4.8 | 11.3/0.8 | 3.3/8.9 | 4.9/10.1 | 4.9/2.4 | 249 | 80.02% |



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.