

80 PLUS Verification and Testing Report

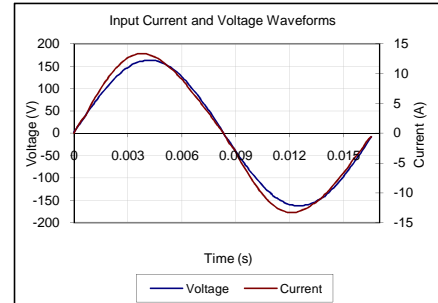
| | |
|--------------------------------|--------|
| TYPICAL EFFICIENCY (50% Load): | 84.80% |
| AVERAGE EFFICIENCY : | 82.61% |
| 80 PLUS COMPLIANT: | YES |



| | |
|---------------|----------------|
| Ecos ID # | 1334 |
| Manufacturer | ISTARUSA, INC. |
| Model Number | IS-880PD8 |
| Serial Number | 808110001 |
| Year | 2009 |
| Type | PS2 |
| Test Date | 3/5/2009 |

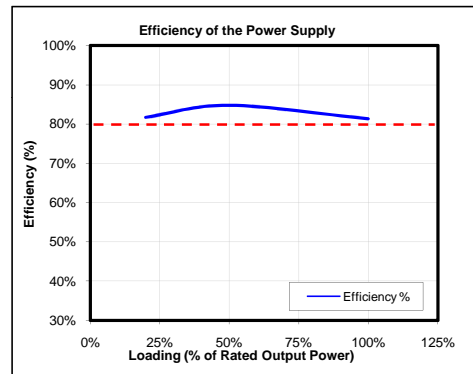
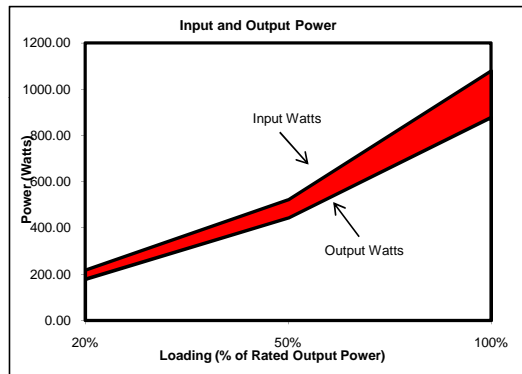
| Rated Specifications | Value | Units |
|----------------------|---------|-------|
| Input Voltage | 100-240 | Volts |
| Input Current | 14-7 | Amps |
| Input Frequency | 47-63 | Hz |
| Rated Output Power | 880 | Watts |

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



Input AC Current Waveform (ITHD = 3.23%, 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 | | |
| 1.90 | 0.9967 | 4.05% | 20% | Light | 218.17 | 12.1/11.9 | 12.1/0.1 | 3.4/3.4 | 5/3.6 | 5/0.7 | 178.23 | 81.69% |
| 4.55 | 0.9986 | 3.23% | 50% | Typical | 522.20 | 12.1/29.7 | 12.1/0.2 | 3.4/8.5 | 5/9.1 | 5/1.6 | 442.83 | 84.80% |
| 9.41 | 0.9975 | 4.64% | 100% | Full | 1079.90 | 11.9/59.3 | 12.2/0.4 | 3.4/17 | 5.1/18.2 | 5/3.3 | 878.23 | 81.32% |



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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.

