

80 PLUS Verification and Testing Report

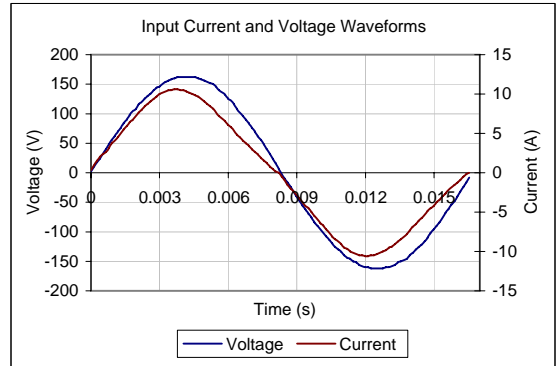


| | |
|---------------------------------------|---------------|
| TYPICAL EFFICIENCY (50% Load): | 87.93% |
| AVERAGE EFFICIENCY : | 86.51% |
| 80 PLUS COMPLIANT: | YES |

| | |
|----------------------|------------------|
| Ecos ID # | 681 |
| Manufacturer | COOLER MASTER |
| Model Number | RS-700-AAAA-A3 |
| Serial Number | NA |
| Year | 2008 |
| Type | ATX12V & EPS 12V |
| Test Date | 5/16/2008 |

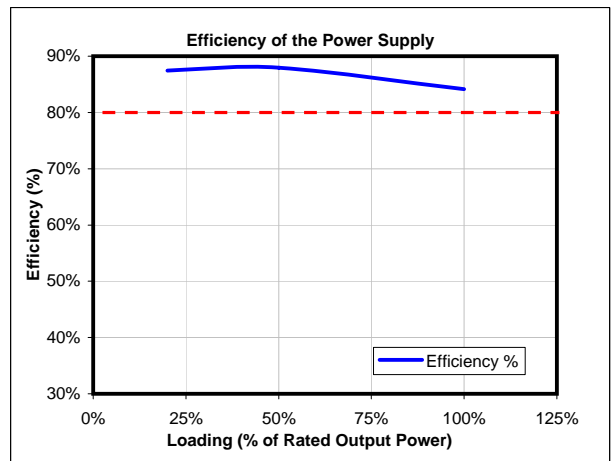
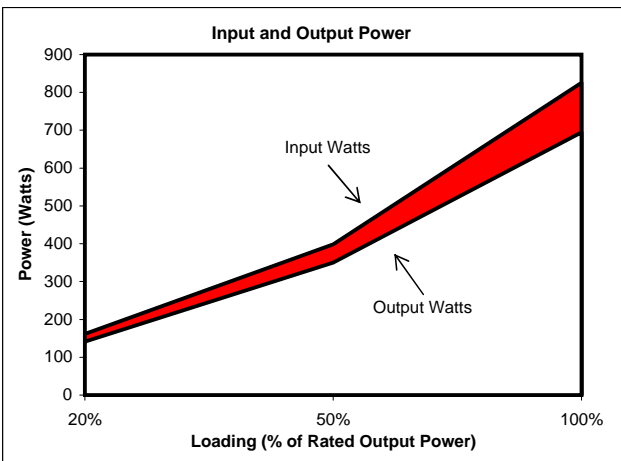
| Rated Specifications | Value | Units |
|---------------------------|------------|--------------|
| Input Voltage | 100-240 | Volts |
| Input Current | 10 | Amps |
| Input Frequency | 50-60 | Hz |
| Rated Output Power | 700 | Watts |

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



Input AC Current Waveform (ITHD = 8.31%, 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 |
| 1.42 | 0.99 | 7.5% | 20% | Light | 161 | 12/9.4 | 12/0.1 | 3.4/2.9 | 5.1/2.9 | 5.1/0.5 | 141 | 87.46% |
| 3.52 | 0.99 | 8.3% | 50% | Typical | 398 | 12/23.5 | 12.1/0.2 | 3.3/7.2 | 5/7.2 | 5/1.4 | 350 | 87.93% |
| 7.21 | 0.99 | 7.5% | 100% | Full | 825 | 11.9/46.9 | 12.1/0.4 | 3.2/14.3 | 5/14.4 | 4.9/2.7 | 694 | 84.14% |



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.