

80 PLUS Verification and Testing Report

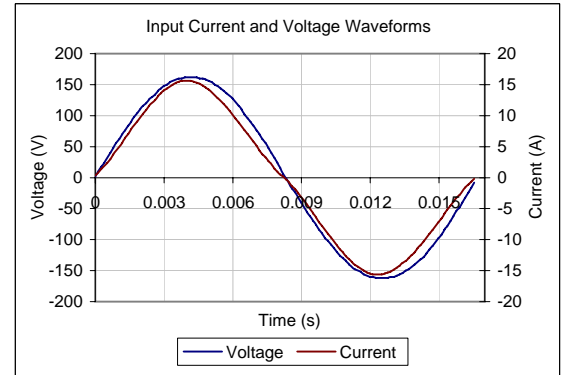
| | |
|---------------------------------------|---------------|
| TYPICAL EFFICIENCY (50% Load): | 86.16% |
| AVERAGE EFFICIENCY : | 84.26% |
| 80 PLUS COMPLIANT: | YES |



| | |
|----------------------|-----------------|
| Ecos ID # | 926 |
| Manufacturer | THERMALTAKE |
| Model Number | TR21000AP |
| Serial Number | NA |
| Year | 2008 |
| Type | ATX12V & EPS12V |
| Test Date | 9/22/2008 |

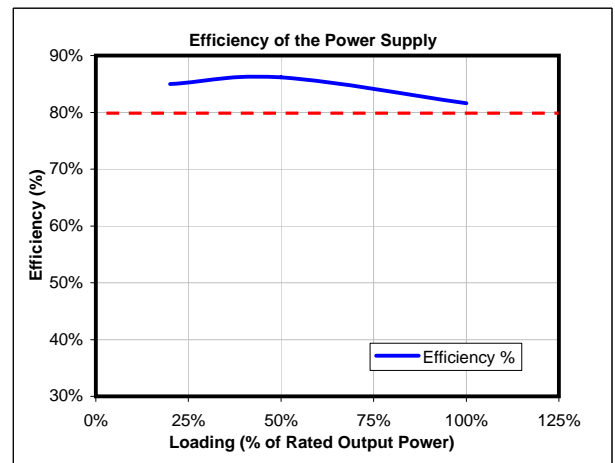
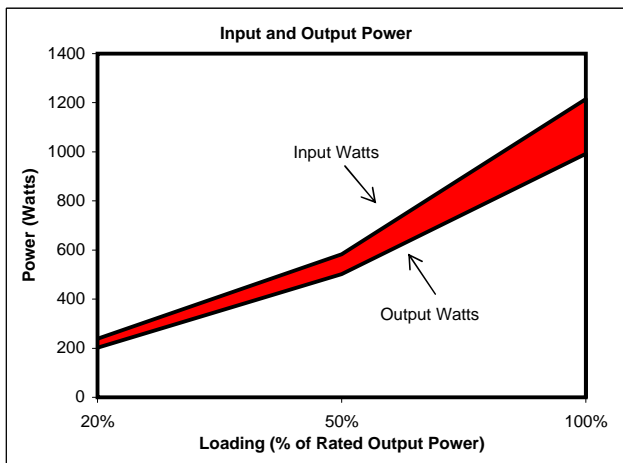
| Rated Specifications | Value | Units |
|-----------------------------|--------------|--------------|
| Input Voltage | 110-240 | Volts |
| Input Current | 14.5-7.5 | Amps |
| Input Frequency | 50-60 | Hz |
| Rated Output Power | 1000 | Watts |

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



Input AC Current Waveform (ITHD = 12.58%, 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 | | |
| 2.13 | 0.97 | 21.8% | 20% | Light | 238 | 12/13.7 | 11.9/0.2 | 3.4/3.8 | 5.2/3.8 | 5.1/0.5 | 202 | 85.00% |
| 5.11 | 0.99 | 12.6% | 50% | Typical | 583 | 12/34.2 | 12.1/0.4 | 3.4/9.5 | 5.1/9.5 | 5.1/1.3 | 502 | 86.16% |
| 10.59 | 1.00 | 5.8% | 100% | Full | 1215 | 11.9/68.3 | 12/0.8 | 3.3/19.1 | 5/19.1 | 4.9/2.5 | 992 | 81.62% |



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS® Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. <http://www.80plus.org/>

