

80 PLUS Verification and Testing Report

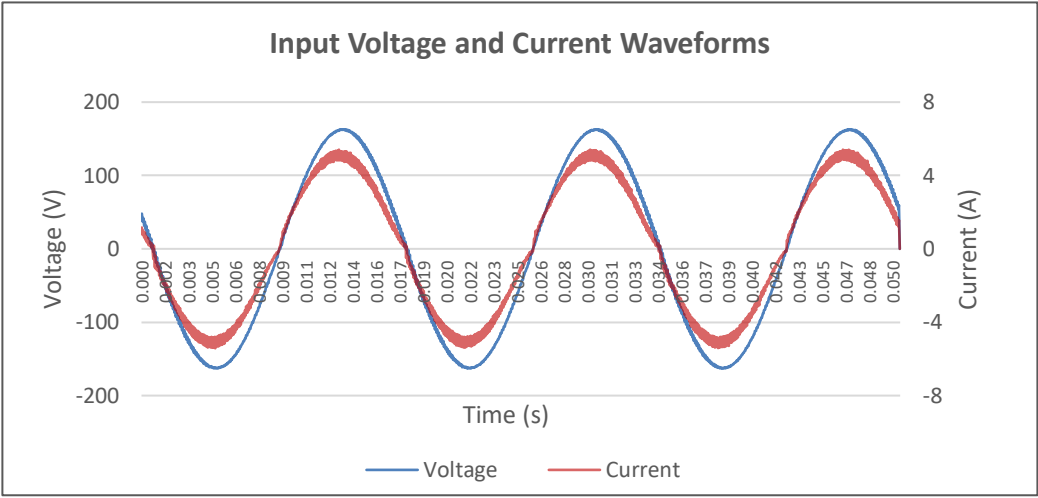
|                                |        |
|--------------------------------|--------|
| TYPICAL EFFICIENCY (50% Load): | 91.67% |
| AVERAGE EFFICIENCY :           | 88.02% |
| 80 PLUS COMPLIANT:             | Gold   |



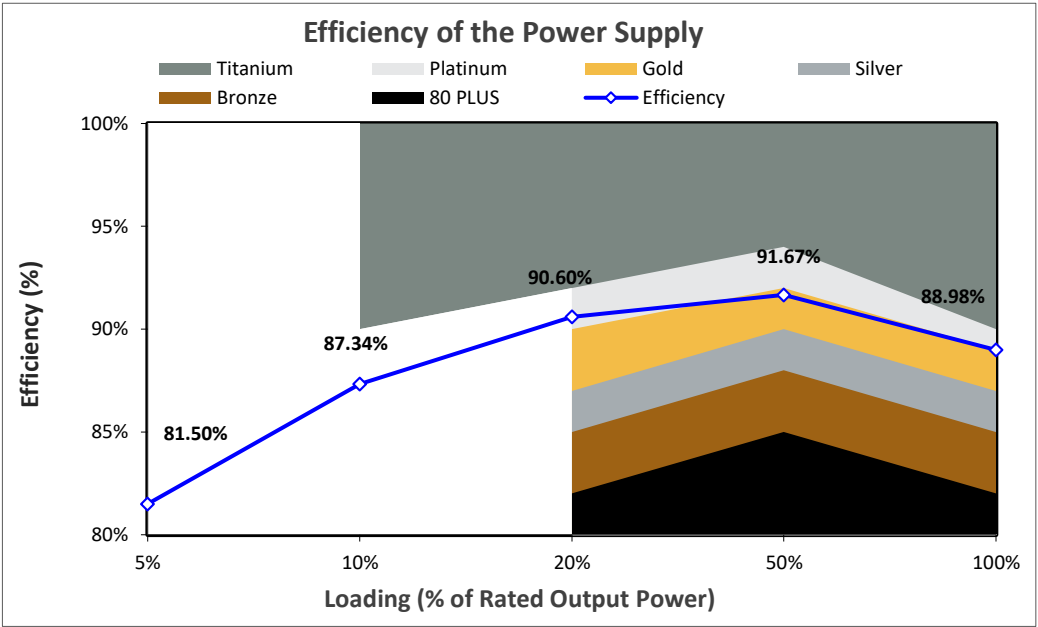
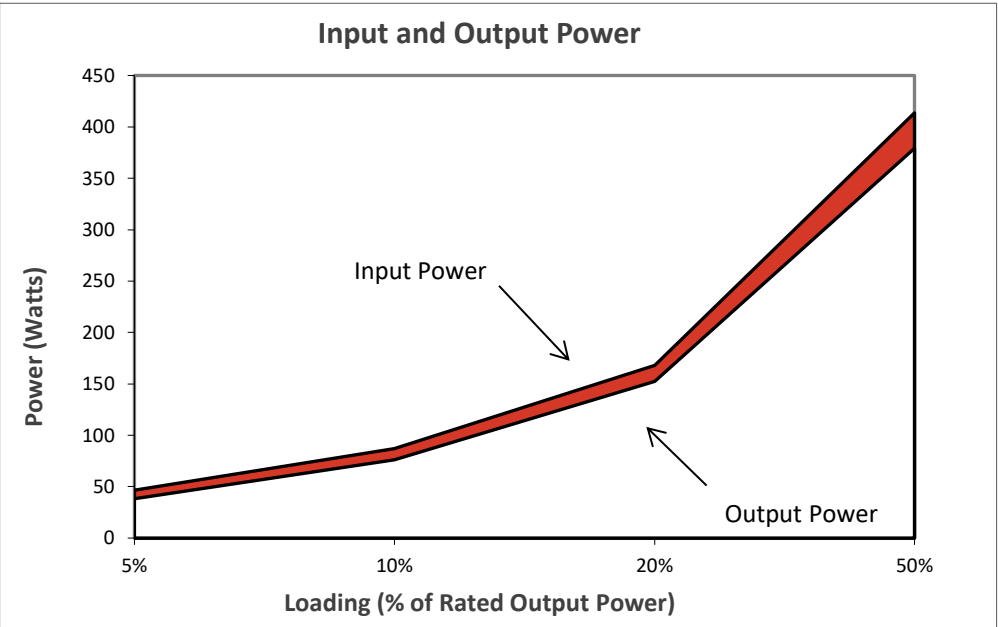
|               |              |
|---------------|--------------|
| ID Number     | 7536         |
| Manufacturer  | Zalman       |
| Model Number  | ZM750-TMX2SE |
| Serial Number | N/A          |
| Type          | ATX12V       |
| Test Date     | 9/9/24       |

| Rated Specifications | Value   | Units |
|----------------------|---------|-------|
| Input Voltage        | 100-240 | Volts |
| Input Current        | 12-6    | Amps  |
| Input Frequency      | 50-60   | Hz    |
| Rated Output Power   | 750     | Watts |

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



| I <sub>RMS</sub> (A) | PF     | I <sub>THD</sub> (%) | Load | Input<br>Watts | DC Terminal Voltage (V)/ DC Load Current (A) |             |           |           |            | Output<br>Watts | Efficiency |
|----------------------|--------|----------------------|------|----------------|----------------------------------------------|-------------|-----------|-----------|------------|-----------------|------------|
|                      |        |                      |      |                | 12V (cumulative of 12V1, 12V2, etc.)         |             | -12V      | 3.3V      | 5V         |                 |            |
| 0.118                | 0.2739 | 20.05                | 0%   | 4.11           | No-Load                                      |             |           |           |            |                 |            |
| 0.600                | 0.6779 | 10.76                | 5%   | 46.76          | 12.18/2.7                                    | 11.86/0.013 | 3.41/0.52 | 5.1/0.52  | 5.1/0.13   | 38.11           | 81.50%     |
| 0.793                | 0.9568 | 12.64                | 10%  | 87.22          | 12.17/5.4                                    | 11.86/0.026 | 3.4/1.04  | 5.1/1.04  | 5.1/0.259  | 76.18           | 87.34%     |
| 1.521                | 0.9600 | 11.44                | 20%  | 167.96         | 12.17/10.8                                   | 11.85/0.052 | 3.38/2.08 | 5.08/2.08 | 5.09/0.518 | 152.17          | 90.60%     |
| 3.612                | 0.9959 | 2.41                 | 50%  | 413.62         | 12.14/26.99                                  | 11.84/0.13  | 3.31/5.2  | 5.04/5.2  | 5.06/1.295 | 379.14          | 91.67%     |
| 7.374                | 0.9993 | 1.61                 | 100% | 847.45         | 12.1/53.97                                   | 11.82/0.259 | 3.19/10.4 | 4.98/10.4 | 5/2.59     | 754.07          | 88.98%     |



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/>