

80 PLUS Verification and Testing Report

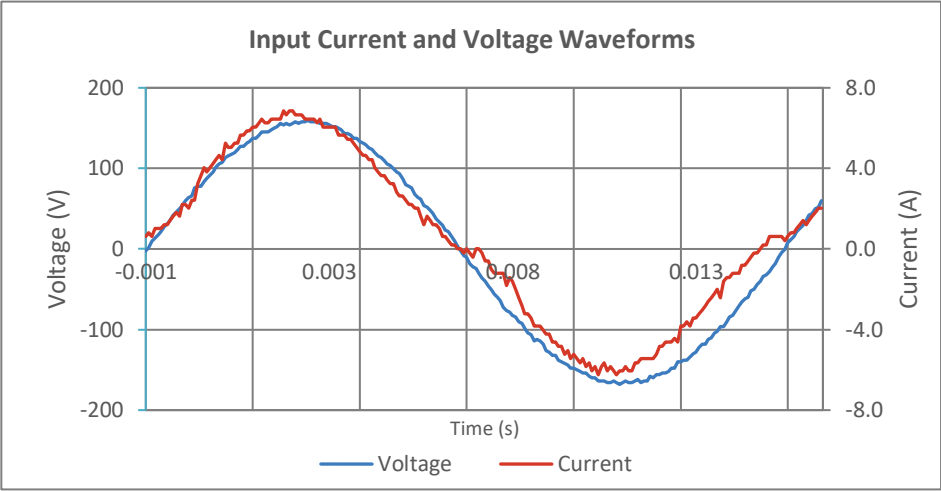
|                                |        |
|--------------------------------|--------|
| TYPICAL EFFICIENCY (50% Load): | 91.20% |
| AVERAGE EFFICIENCY :           | 89.04% |
| 80 PLUS COMPLIANT:             | Gold   |



|               |           |
|---------------|-----------|
| ID Number     | 6963      |
| Manufacturer  | DeepCool  |
| Model Number  | PX850G-FC |
| Serial Number | N/A       |
| Year          | 2023      |
| Type          | ATX12V    |
| Test Date     | 1/19/23   |

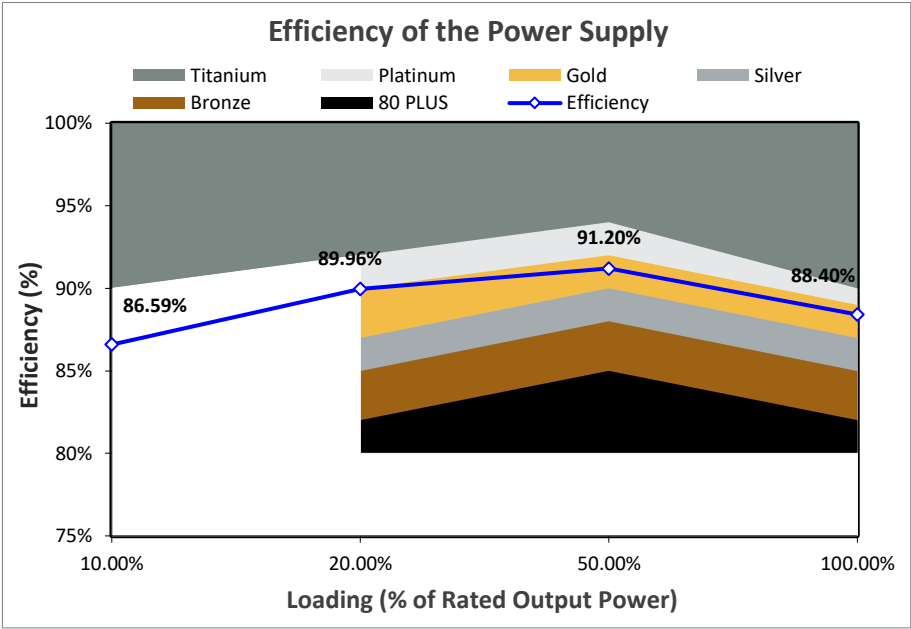
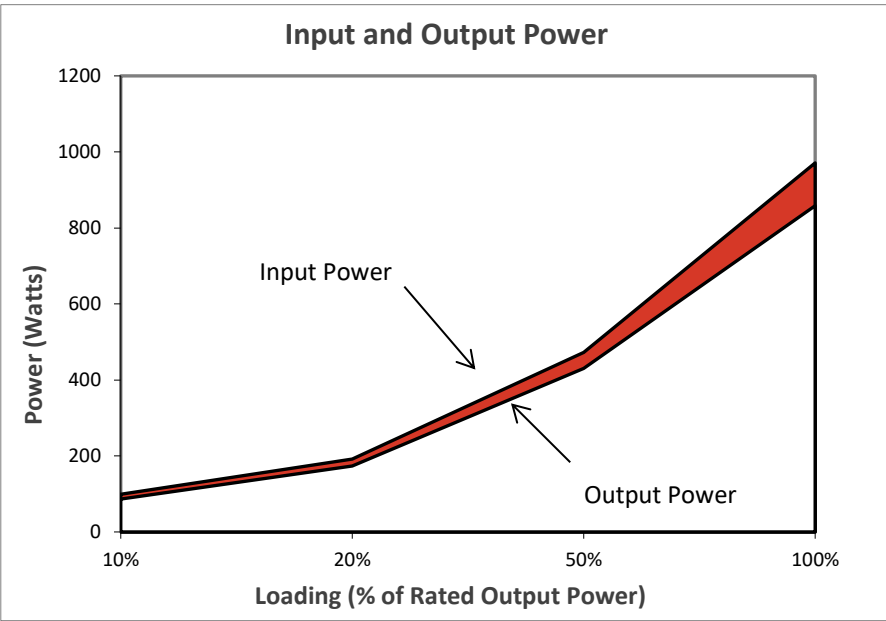
| Rated Specifications | Value   | Units |
|----------------------|---------|-------|
| Input Voltage        | 100-240 | Volts |
| Input Current        | 10-5.0  | Amps  |
| Input Frequency      | 50-60   | Hz    |
| Rated Output Power   | 850     | Watts |

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



Input AC Current Waveform (ITHD = 12.07%, 50% Load)

| I <sub>RMS</sub> | PF     | I <sub>THD</sub> | 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      |              |            |
| 0.888            | 0.9766 | 17.47%           | 10%  | 99.78       | 12.19/6.1                                    | 12.1/0.03  | 3.31/1.24  | 5.05/1.24  | 5.04/0.26 | 86.40        | 86.59%     |
| 1.691            | 0.9880 | 13.22%           | 20%  | 192.20      | 12.2/12.2                                    | 12.1/0.05  | 3.31/2.49  | 5.06/2.48  | 5.03/0.52 | 172.90       | 89.96%     |
| 4.151            | 0.9900 | 12.07%           | 50%  | 472.50      | 12.13/30.59                                  | 12.11/0.13 | 3.31/6.23  | 5.05/6.16  | 5.09/1.29 | 430.93       | 91.20%     |
| 8.495            | 0.9940 | 9.13%            | 100% | 971.00      | 12.08/61.14                                  | 12.11/0.26 | 3.31/12.45 | 5.06/12.31 | 5.06/2.58 | 858.35       | 88.40%     |



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/>