# PRECISE SILENT POWER

Introducing the X Silent Edge Platinum, the industry's first PSU to achieve 850W. The Edge features totally silent and dustless performance, innovative heat pipe technology, advanced heat dissipation, 80 Plus Platinum efficiency, an active bridge rectifier, and a digital monitor powered by Cooler Master's MasterCTRL software. With these features, the Edge provides precise and silent power.

The X Silent Edge Platinum also includes ATX 3.1 support, a durable 12V-2x6 cable, reliable, industrial-grade Infineon IC chips, fully modular cabling, high-quality Japanese capacitors, and a 15-year warranty. The X Silent Edge Platinum is the next frontier of silent, reliable, powerful performance.

# X Silent Edge Platinum 850

**Dustless silence:** A fanless design provides total silence and a dust-free environment.

**Innovative heat pipe technology:** Implements our in-house designed superconductive composite heat pipe technology.

**Advanced heat dissipation and thermal performance:** A patented aluminum thermal mold efficiently dissipates heat.

**80 Plus Platinum efficiency certification:** This unit is certified to achieve more than 92% efficiency at typical loads.

**Active bridge rectifier:** Bridge diodes have been replaced with an active bridge rectifier to improve performance.

**ATX 3.1 support & a durable 12V-2x6 cable:** Includes ATX 3.1 support and a 90-degree 12+4pin (12V-2x6) PCIe 5.1 cable featuring lower temperatures, enhanced durability, and improved safety.

**Digital monitor:** Cooler Master's MasterCTRL software allows users to monitor temperature, current load, and overall performance.

**Long-lasting reliability:** Built with Infineon industrial-grade IC chips for high quality performance and long-lasting reliability.

**Fully modular cabling:** Efficiently reduces clutter, increases airflow, and improves overall efficiency and thermal performance.

**High-quality Japanese capacitors:** Large, high-quality Japanese capacitors feature reduced ripple noise and enhanced reliability.

**15-year warranty:** This unit comes with a standard limited manufacturing warranty of 15 years from the date of purchase.
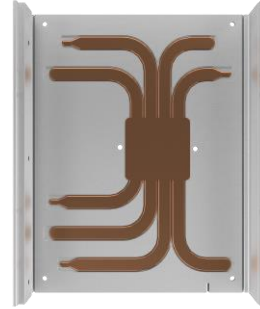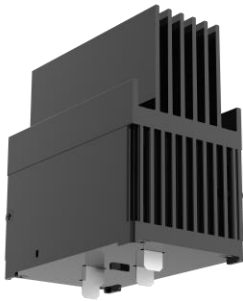
# FEATURE HIGHLIGHTS



**Dust-free silence**

A fanless design provides total silence and a dust-free environment.



**Innovative heat pipe technology**

Implements our in-house designed superconductive composite heat pipe technology.
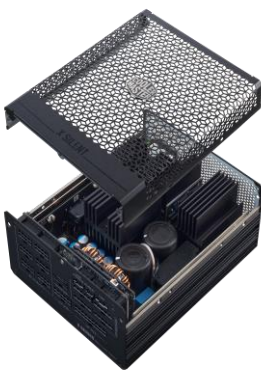


**Advanced heat dissipation and thermal performance**

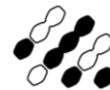A patented aluminum thermal mold efficiently dissipates heat.



**Exceptional efficiency**

Bridge diodes have been replaced with an active bridge rectifier to improve efficiency.



**Long-lasting reliability**

Built with Infineon industrial-grade IC chips for high quality performance and long-lasting reliability.



MasterCTRL

**Digital monitor**

Cooler Master's MasterCTRL software allows users to monitor temperature, current load, and overall performance.

## SPECIFICATIONS

| | |
|---|---|
| Product Name | X Silent Edge Platinum 850 |
| Item Code | MPS-8501-AZAP |
| ATX Version | ATX 12V Ver. 3.1 |
| PFC | Active PFC |
| Input Voltage | 100 - 240V |
| Input Current | 9 - 5A |
| Input Frequency | 50 - 60Hz |
| Dimensions (L x W x H) | 180 x 150 x 86mm |
| Fan Size | N/A |
| Fan Bearing | N/A |
| Fan Speed | N/A |
| Efficiency | ≥ 92% @ Typical Load |
| 80 PLUS Rating | 80 PLUS Platinum |
| ErP 2014 Lot 3 | Yes |
| Operating Temperature | 0 ~ 40℃ |
| Power Good Signal | 100 - 150ms |
| Hold Up Time | ≥ 16ms |
| MTBF | >100,000 hours |
| Protections | OPP / OVP / OTP / OCP/ SCP / UVP / Surge & Inrush Protection |
| Regulatory | cUL, TUV, CE, FCC, BSMI, CCC, EAC, RCM, UKCA / BIS, KC (based on region's request.) |

| Connectors | | |
|---|---|---|
| | ATX 24 Pin | x1 = 1x (650mm) |
| | EPS 4+4 Pin | x1 = 1x (650mm) |
| | EPS 8 Pin | x1 = 1x (650mm) |
| | SATA | x12 = 3x (500+150+150+150mm) |
| | Peripheral 4 Pin | x4 = 1x (500+120+120+120mm) |
| | PCI-e 6+2 Pin | x4 = 4x (550mm) |
| | 12V-2x6 | x1 = 1x (650mm) |
| | USB 10P | x1 = 1x (800mm) |

| AC INPUT | 100-240V~, 9 - 5A , 50 - 60Hz | | | | | |
|---|---|---|---|---|---|---|
| DC OUTPUT | +3.3V | +5V | +12V | | -12V | +5Vstb |
| | 20A | 20A | 70.8A | 62.5A | 0.3A | 3A |
| TOTAL POWER | 120W | | 849.6W For 850W | 750W For 750W | 3.6W | 15W |
| | 850W For 110V-240V , 750W For 100V-110V | | | | | |

## PACKING INFORMATION

| Cable Type | EAN | UPC |
|---|---|---|
| MPS-8501-AFAP-BUS | 4719512144800 | 884102117121 |
| MPS-8501-AFAP-BUK | 4719512144817 | 884102117138 |
| MPS-8501-AFAP-BEU | 4719512144824 | 884102117145 |
| MPS-8501-AFAP-BST | 4719512144831 | 884102117152 |
| MPS-8501-AFAP-BAU | 4719512144848 | 884102117169 |
| MPS-8501-AFAP-BBR | 4719512144855 | 884102117176 |
| MPS-8501-AFAP-BKR | 4719512144862 | 884102117183 |
| MPS-8501-AFAP-BTW | 4719512144879 | 884102117190 |
| MPS-8501-AFAP-BJP | 4719512144886 | 884102117206 |
| MPS-8501-AFAP-BIN | 4719512144893 | 884102117213 |
| MPS-8501-AFAP-BWO | 4719512144909 | 884102117220 |
| MPS-8501-AFAP-BNL | 4719512144916 | 884102117237 |
| MPS-8501-AFAP-BHK | 4719512144923 | 884102117244 |
| MPS-8501-AFAP-BBS | 4719512144930 | 884102117251 |
| MPS-8501-AFAP-BBU | 4719512144947 | 884102117268 |
| MPS-8501-AZAP-BCN | 4719512145074 | N/A |
| MPS-8501-AZAP-BBC | 4719512145081 | N/A |

| | |
|---|---|
| Net Weight | 4.5 kg |
| Gross Weight | 5.2 kg |
| Package Dimensions (W x L x H) | 382 x 224 x 126mm |
| Carton Dimensions (W x L x H) | 396 x 265 x 250mm |
| Unit / Carton | 2pcs |
| Carton / Pallet | 120pcs |

- All images and descriptions are solely for example purposes.
- Specifications, features, and prices are subject to change without notice.
- Specifications, appearances, and features may vary by model and region. Please refer to official specification pages for full details.
- Unless otherwise stated, all performance claims are based on theoretical performance. Actual figures may vary in real-world situations.
- Any configuration other than original product configuration is not performance guaranteed.