# LEVEL UP YOUR POWER

Introducing the MWE Gold V2 ATX 3.1, the evolutionary next step in Cooler Master power.

With features such as 80 Plus Gold efficiency, ATX 3.1 support, and a highly durable 12V-2x6 adapter cable, the MWE Gold V2 is a majorly powerful upgrade.

Several changes and additions improve the overall user experience. Together, these design choices deliver a top-tier PSU that is highly efficient and reliable.

With an ultra-quiet HDB fan, exceptional temperature resilience, 2 EPS connectors, fully modular cabling, and a 5-year warranty, the MWE Gold V2 will level up your set up.

# MWE Gold 850 V2 ATX 3.1

**80 Plus Gold efficiency certification:** This unit is certified to achieve more than 90% efficiency at typical loads.

**Ultra-quiet HDB fan:** A hydrodynamic bearing fan delivers long-lasting quiet and effective cooling.

**High temperature resilience**

An upgraded 50°C maximum operating temperature allows for pushing your machine to the limits with overclocking and other high-intensity applications.

**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 enhanced durability, and improved safety.

**2 EPS Connectors :** Two 4-pin EPS connectors are included for universal compatibility with current-gen motherboards.

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

**Enhanced 12+4PIN terminal structure:**

Enhanced terminal thickness and better contact design reduce impedance, improve insertion/extraction force performance, and achieve lower temperature.

**5-year warranty:** This unit comes with a standard limited manufacturing warranty of 5 years from the date of purchase.

# FEATURE HIGHLIGHTS

### Ultra-quiet HDB fan

A hydrodynamic bearing fan delivers long-lasting quiet and effective cooling.

### High temperature resilience

A 50°C operating temperature allows for pushing your machine to the limits.
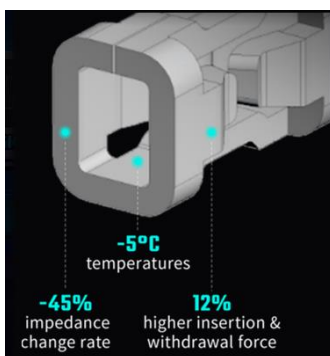
### 80 Plus Gold efficiency certification

Certified to achieve more than 90% efficiency at typical loads.

### Fully modular cabling

Modular cabling reduces clutter and improves overall thermal performance.

### Enhanced 12+4PIN terminal structure

The upgraded connector design features higher electrical durability, lower temperature and improved safety.

### A durable 12V-2x6 adapter cable

An advanced thermal structure with three 8-pin connectors provides improved safety.

## SPECIFICATIONS

| | |
|---|---|
| Product Name | MWE Gold 850 V2 ATX 3.1 |
| Item Code | MPE-8501-AFAAG-3E** |
| ATX Version | ATX 12V Ver. 3.1 |
| PFC | Active PFC |
| Input Voltage | 100 - 240V |
| Input Current | 12 - 6A |
| Input Frequency | 50 - 60Hz |
| Dimensions (L x W x H) | 160 x 150 x 86mm |
| Fan Size | 120 mm |
| Fan Bearing | HDB |
| Efficiency | ≥ 90% @ Typical Load |
| 80 PLUS Rating | 80 PLUS Gold |
| ErP 2014 Lot 3 | Yes |
| Operating Temperature | 0 ~ 50℃ |
| Power Good Signal | 100 - 150ms |
| Hold Up Time | ≥ 16ms |
| MTBF | >100,000 hours |
| Protections | UVP / OVP / OPP / OTP / SCP / OCP |
| Regulatory | TUV, CE, CCC, EAC, RCM, cTUVus, FCC, BSMI, BIS, UKCA |

| Connectors | | |
|---|---|---|
| | ATX 24 Pin | x1 = 1x (610mm) |
| | EPS 4+4 Pin | x1 = 1x (600mm) |
| | EPS 8 Pin | x1 = 1x (650mm) |
| | SATA | x12 = 3x (500+120+120+120mm) |
| | Peripheral 4 Pin | x4 = 1x (500+120+120+120mm) |
| | PCI-e 6+2 Pin | x4 = 2x (550+120mm) |
| | 1 to 3 12V-2x6 adapter cable | x1 = 1x (650mm) |

| AC INPUT | | 100-240V~ 12 - 6A 50 - 60Hz | | | |
|---|---|---|---|---|---|
| DC OUTPUT | +3.3V | +5V | +12V | -12V | +5Vsb |
| | 20A | 20A | 70.8A | 0.3A | 3A |
| TOTAL POWER | 100W | | 849.6W | 3.6W | 15W |
| | 850W | | | | |

| Cable Type | EAN | UPC |
|---|---|---|
| MPE-8501-AFAAG-3EU2 | 4719512152683 | 884102125003 |
| MPE-8501-AFAAG-3EUK | 4719512152690 | 884102125010 |
| MPE-8501-AFAAG-3EEU | 4719512152706 | 884102125027 |
| MPE-8501-AFAAG-3EST | 4719512152713 | 884102125034 |
| MPE-8501-AFAAG-3EAU | 4719512152720 | 884102125041 |
| MPE-8501-AFAAG-3EBR | 4719512152737 | 884102125058 |
| MPE-8501-AFAAG-3EKR | 4719512152744 | 884102125065 |
| MPE-8501-AFAAG-3ETW | 4719512154625 | 884102126949 |
| MPE-8501-AFAAG-3EJP | 4719512152751 | 884102125072 |
| MPE-8501-AFAAG-3EIN | 4719512152768 | 884102125089 |
| MPE-8501-AFAAG-3EWO | 4719512152775 | 884102125096 |

| | |
|---|---|
| Net Weight | 2.62 kg / 5.7761 lb |
| Gross Weight | 2.9 kg / 6.3934 lb |
| Package Dimensions | 310 x 194 x 120mm (12.2 x 7.64 x 4.72") |
| Carton Dimensions | 620 x 325 x 220mm (24.41 x 12.8 x 8.66") |
| Unit / Carton | 5 pcs |
| Carton / Pallet | 16 pcs |