



## BUILT TO LAST



The MWE Gold V3 brings a new standard of durability and efficiency to Cooler Master's lineup of power supply units. This 80 Plus Gold certified unit can achieve Titanium level efficiency at light loads in a 115V test.

With an APFC half bridge LLC and DC-to-DC design, the MWE Gold V3 has achieved an 80 Plus Gold efficiency certification with top-tier performance. A smart thermal control mode and a zero-RPM default mode reduces noise and improves heat dissipation. Combined with an ATX 3.1 12V-2x6 native cable featuring a space-saving, durable 90-degree connector, the MWE Gold V3 is a powerhouse.

# MWE Gold 850 V3

## ATX 3.1

### Exceptional efficiency

This 80 Plus Gold certified unit can achieve Titanium level efficiency at 10% and 20% loads in a 115V test.

### Advanced thermal performance

A hexagonal fan cover with a maximum 80% airflow intake and a synchronous rectifier dedicated heat sink provide enhanced thermal performance.

### ATX 3.1 support & a durable 12V-2x6 cable

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

### Smart thermal control mode

Fan speed is automatically adjusted according to the PSU's operating temperature.

### Silent fan performance with a zero-RPM mode

This unit defaults to zero fan spin, providing silent fan performance.

### Japanese-designed main capacitor

A large, high-quality Japanese main capacitor feature reduced ripple noise and enhanced reliability.

### Fully modular cabling

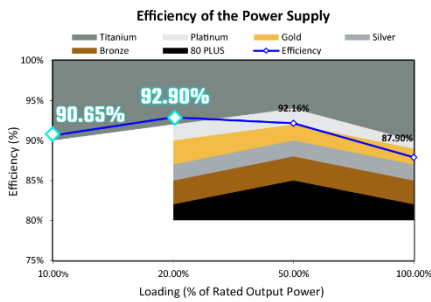
Efficiently reduces clutter, increases airflow, and improves overall efficiency and thermal performance.

### 10-year warranty

This unit comes with a standard limited manufacturing warranty of 10 years from the date of purchase.

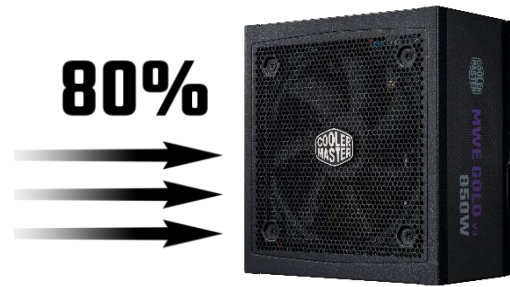


# FEATURE HIGHLIGHTS



## Exceptional efficiency

Can achieve 80 Plus Titanium level efficiency during general use.



## Advanced thermal performance

An airflow maximum of 80% from the hexagonal fan cover enhances thermal performance.



## 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.



## Silent and smart performance

Zero-RPM default mode below 40% loads.



## A durable 12V-2x6 cable

An advanced thermal structure and flexible cable provide improved safety.

## SPECIFICATIONS

Product Name	MWE Gold 850 V3 ATX 3.1
Item Code	MPX-8503-AFAG-2***
ATX Version	ATX 12V Ver. 3.1
PFC	Active PFC
Input Voltage	100-240V
Input Current	10 - 5A
Input Frequency	50 - 60Hz
Dimensions (L x W x H)	160 x 150 x 86mm
Fan Size	120mm
Fan Bearing	HDB
Fan Speed	2500 rpm
Efficiency	≥ 90% @ Typical Load
80 PLUS Rating	80 PLUS Gold
ErP 2014 Lot 3	Yes
Operating Temperature	0 ~ 40°C
Power Good Signal	100-150 ms
Hold Up Time	≥ 16ms @80%Load
MTBF	>100,000 hours
Protections	OPP/ OVP/ OTP/ OCP/ SCP/ UVP/ Surge & Inrush Protection
Regulatory	cTUVus, TUV, CE, FCC, BSMI, CCC, EAC, RCM, UKCA, RoHS2.0 / BIS, KC (based on region's request.)

Connectors		x1 = 1x (550mm)
		x1 = 1x (600mm)
		x1 = 1x (600mm)
		x4 = 2x (500+120mm)
		x6 (SATA) / x2 Peripheral = 2x (500(s)+120(s)+120(s)+120(p)mm)
		x1 = 1x (650mm)

AC INPUT	100-240V~ 10 - 5A 50 - 60Hz				
DC OUTPUT	+3.3V	+5V	+12V	-12V	+5Vsb
	20A	20A	70.8A	0.3A	3A
TOTAL POWER	120W		849.6W	3.6W	15W
	850W				

## PACKING INFORMATION

Cable Type	EAN	UPC
MPX-8503-AFAG-2BUV	--	884102119255
Net Weight	2.614 kg / 5.762 lb	
Gross Weight	3.004 kg / 6.622 lb	
Package Dimensions	320 x 195 x 125mm (12.59 x 7.68 x 4.92")	
Carton Dimensions	520 x 335 x 231mm (20.47 x 13.18 x 9.09")	
Unit / Carton	4 pcs	
Carton / Pallet	24 pcs	

- 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.