

POWER EVOLVED



Introducing the MWE Bronze V3 230V, the evolutionary next step in Cooler Master power and the ATX 3.1 upgrade to our MWE Bronze V2 PSU. With features such as 80 Plus Bronze efficiency, a DC-to-DC + LLC circuit design, and a quiet HDB fan cooling, the V3 provides valuable performance in multiple dimensions.

Several changes and additions improve the overall user experience. Together, these design choices deliver an advanced PSU that is highly efficient and reliable. With an embossed cable, exceptional temperature resilience and a 5-year warranty, the MWE Bronze V3 will evolve your machine.

MWE BRONZE 650 V3 230V

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

80 Plus Bronze efficiency certification: This unit is certified to achieve more than 88% efficiency at typical loads in a 230V test.

High temperature resilience: A 40°C maximum operating temperature allows for pushing your machine to the limits with overclocking and other high-intensity applications.

Embossed cable: An embossed cable texture provides a softer and overall improved grip with a pleasing aesthetic.

ATX 3.1 support: Compliant with ATX 3.1 to fully support a peak power 1.5 times higher than the rated maximum wattage, this unit is ideal for use with the 40 series GPUs.

Single +12V rail: All power comes from a single +12V source, ensuring consistent output through all connected cables.

DC-to-DC technology: The DC-DC circuit design offers reliable, stable output to all connected components.

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

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



FEATURE HIGHLIGHTS



Quiet HDB fan

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



High temperature resilience

A 40°C operating temperature allows for pushing your machine to the limits.



80 Plus Bronze efficiency certification

Certified to achieve more than 88% efficiency at typical loads in a 230V test.



Embossed cable

An embossed cable texture provides a softer and overall improved grip with a pleasing aesthetic.



5-year warranty

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



ATX 3.1 support

After passing the ATX 3.1 peak power test, this unit is 40 series ready.

SPECIFICATIONS

Product Name	MWE Bronze 650 V3 230V		
Item Code	MPE-6501-ACABW-3B		
ATX Version	ATX 12V Ver. 3.1		
PFC	Active PFC		
Input Voltage	200 - 240V		
Input Current	5A		
Input Frequency	50 - 60Hz		
Dimensions (L x W x H)	140 x 150 x 86mm		
Fan Size	120 mm		
Fan Bearing	HDB		
Efficiency	≥ 88% @ Typical Load		
80 PLUS Rating	80 PLUS Bronze		
ErP 2014 Lot 3	Yes		
Operating Temperature	0 ~ 40°C		
Power Good Signal	100 - 150ms		
Hold Up Time	≥ 16ms		
MTBF	>100,000 hours @ 25°C ambient		
Protections	UVP / OVP / OPP / OTP / SCP		
Regulatory	TUV, CE, FCC, CCC, EAC, RCM, UKCA, RoHS2.0 / BIS, KC (based on region's request.)		
Connectors	ATX 24 Pin	x1 = 1x (500mm)	
	EPS 8Pin / 4+4 Pin	x2 = 1x (550+120mm)	
	SATA	x6 = 2x (400+150+150mm)	
	Peripheral 4 Pin	x3 = 1x (400+150+150mm)	
	PCI-e 6+2 Pin	x4 = 2x (500+120mm)	

AC INPUT	200-240V~ 5A 50 - 60Hz				
DC OUTPUT	+3.3V	+5V	+12V	-12V	+5Vstb
	19A	19A	54A	0.3A	3A
TOTAL POWER	120W		648W	3.6W	15W
	650W				

PACKING INFORMATION

Cable Type	EAN	UPC
MPE-6501-ACABW-3BUK	4719512145210	884102117534
MPE-6501-ACABW-3BEU	4719512145227	884102117541
MPE-6501-ACABW-3BST	4719512145234	884102117558
MPE-6501-ACABW-3BAU	4719512145241	884102117565
MPE-6501-ACABW-3BBR	4719512145258	884102117572
MPE-6503-ACABW-3BKR	4719512150634	884102122958
MPE-6501-ACABW-3BIN	4719512145272	884102117596
MPE-6501-ACABW-3BTH	4719512145289	884102117602

Net Weight	1.65 kg / 3.6376 lb
Gross Weight	2.05 kg / 4.5217 lb
Package Dimensions	245 x 190 x 110mm (9.65 x 7.48 x 4.33")
Carton Dimensions	570 x 260 x 215mm (22.44 x 10.24 x 8.46")
Unit / Carton	5 pcs
Carton / Pallet	32 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.