



MANUAL | QUICK START GUIDE

CORSAIR RMe Series 2025

RM650e/RM750e/RM850e/RM1000e

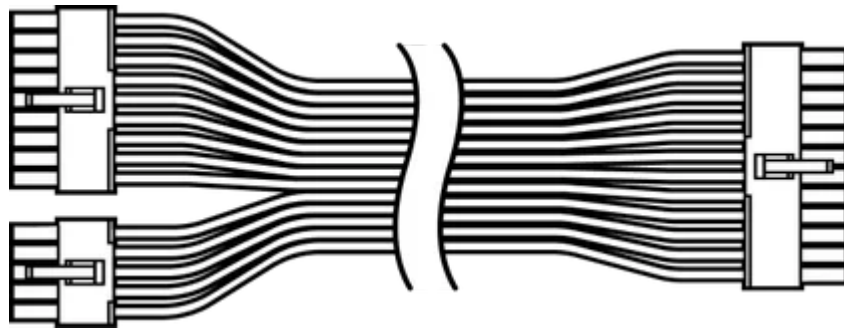
Congratulations on the purchase of your new CORSAIR RMe Series ATX Power Supply!

CORSAIR RMe Series Fully Modular Power Supplies deliver reliable Cybenetics Gold-rated power, ready for modern systems with ATX 3.1 and PCIe 5.1 compliance along with a native 12V-2x6 connector

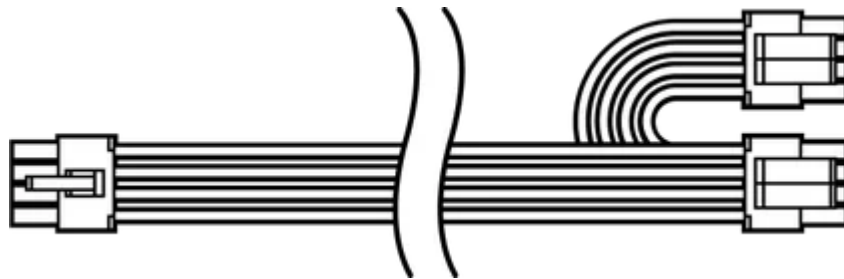


INCLUDED CABLES

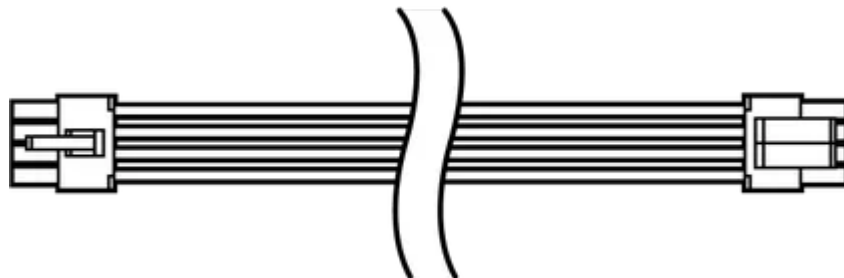




1x Modular 24 Pin ATX Cable (24-PIN) (24)
610mm ± 10mm



1x Modular EPS Cable (8-PIN) (4+4), Pigtail (RM650e)
850mm ± 10mm

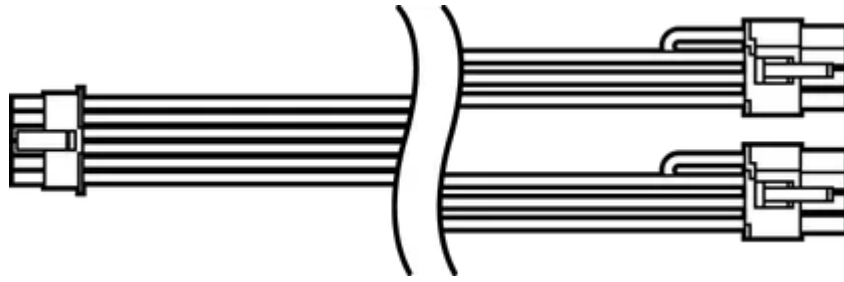


2x Modular EPS Cable (8-PIN) (4+4) (RM750e, RM850e, RM1000e)
750mm ± 10mm

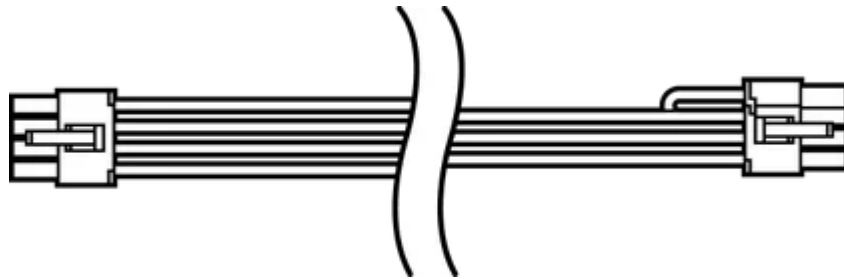


1x Modular PCIe Cable 12V-2x6 (12+4)

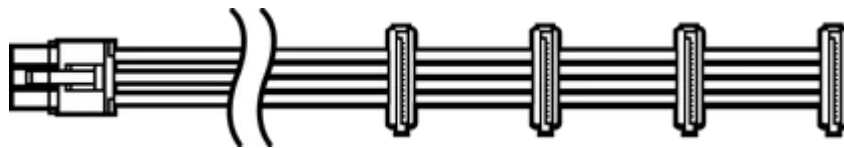
650mm ± 10mm



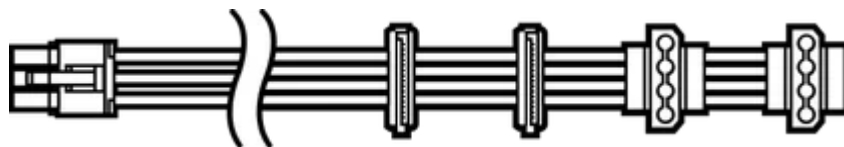
1x Modular PCIe Cable 12V-2x6 to 2x (6+2) PIN
650mm ± 10mm



1x Modular PCIe Cable (8-PIN) (6+2) (RM650e)
2x Modular PCIe Cable (8-PIN) (6+2) (RM750e, RM850e, RM1000e)
650mm ± 10mm



1x Modular SATA Cable (4 SATA)("straight")



1x Modular SATA/PATA Cable (2 SATA "straight"/ 2 PATA)



Installing your new RMe Series Power Supply


Step 1: Removing Your Existing PSU

Warning! To ensure proper function, only use the DC cables included with your new PSU, unless your old cables are genuine CORSAIR cables of the same type. Please confirm your existing cables' type before using them!

If you are building a new system, skip to Step 2:

1. Disconnect the AC power cord from your wall outlet or UPS and from the existing power supply
2. Disconnect all the power cables from your video card, motherboard and all other peripherals
3. Follow the directions in your chassis manual and uninstall your existing PSU
4. Proceed to Step 2

Step 2: Installing the New Power Supply

1. Make sure the power supply's AC power cable is not connected
2. Follow the directions in your chassis manual and install the power supply with the screws provided
3. Connect the 24-pin (ATX) cable to the motherboard. Connect the 8-pin +12V (EPS12V) cable to the motherboard.
 1. If your motherboard has an eight-pin +12V socket, connect the eight-pin cable directly to your motherboard
 2. If your motherboard has a four-pin socket, detach the four-pin from the  cable, and then plug this four-pin cable directly to your motherboard.
 3. Some motherboards will require a mix of 8+4 pins, use as many EPS12V cables as necessary and do not mistake them for PCIe cables.
4. Connect the peripheral cables, PCI-Express cables, and SATA cables.
 1. Connect the SATA cables to your SATA SSD or hard drive's power sockets.
 2. Connect the PCI-Express cables to the power sockets of your PCI-Express video cards if required.

3. Connect the 16-pin 12V-2x6 connector to the power socket of your GPU if required.
4. Connect the peripheral cables to any peripherals requiring a 4-pin connector.
5. Make sure all the cables are tightly connected. Be sure to save any unused modular cables for future component additions.
5. Connect the AC power cord to the power supply and turn it on by pushing the switch to the ON position (marked with "I")

RM650e Specifications

Dimensions: 140mm(L) x 150mm(W) x 86mm (H)

Package Contents:

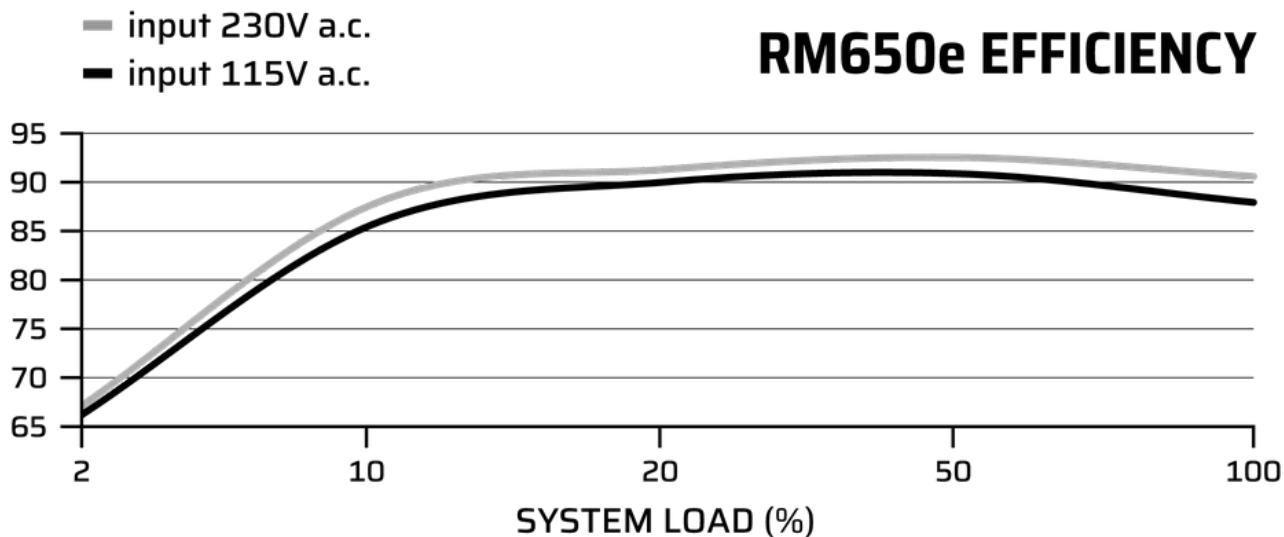
- Power Supply
- AC Cable
- DC Cables
- Cable Ties
- Mounting Screws
- Safety Leaflet

Model	RPS0223	
Part No.	75-006581	
Corsair SKU No.	CP-9020302	
	AC Input Rating	
AC Input	100V a.c.-240V a.c.	
Input Current	10A-5A	
Frequency	47-63Hz	
	Max Load	Max Output
+5V	20A	110W
+3.3V	20A	
+12V	54.2A	650W

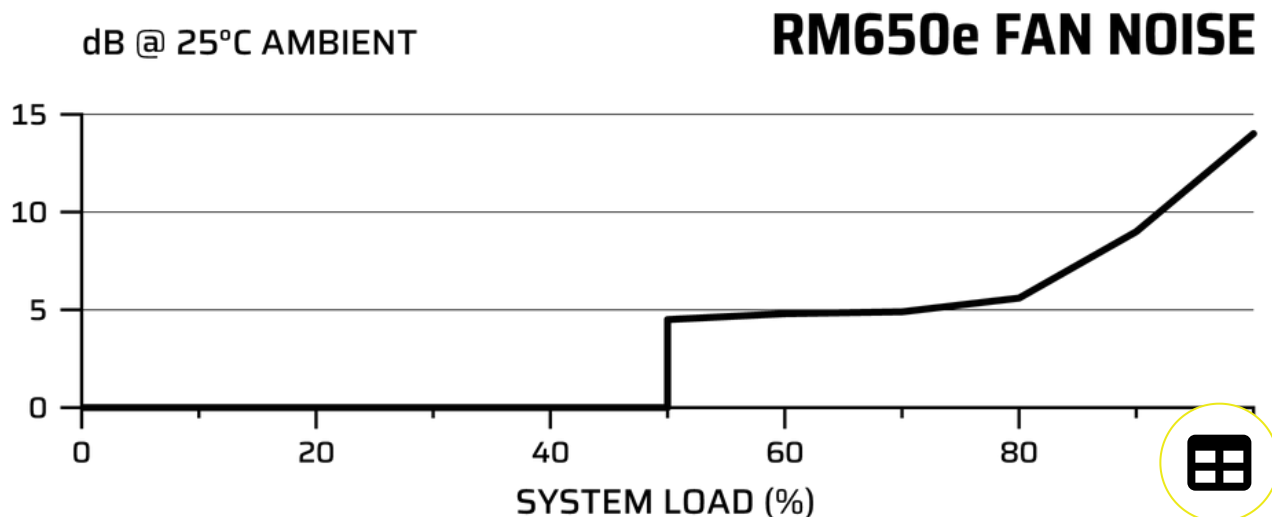


+5Vsb	3A	15W
Total Power	650W	

RM650e EFFICIENCY



RM650e FAN CURVE



RM750e Specifications

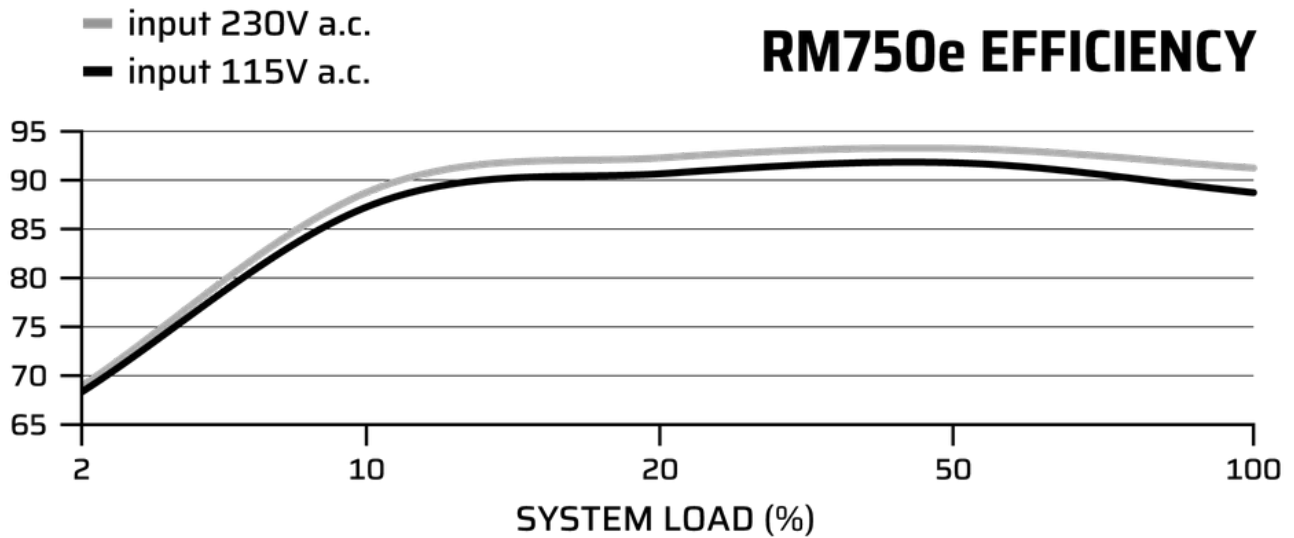
Dimensions: 140mm(L) x 150mm(W) x 86mm (H)

Package Contents:

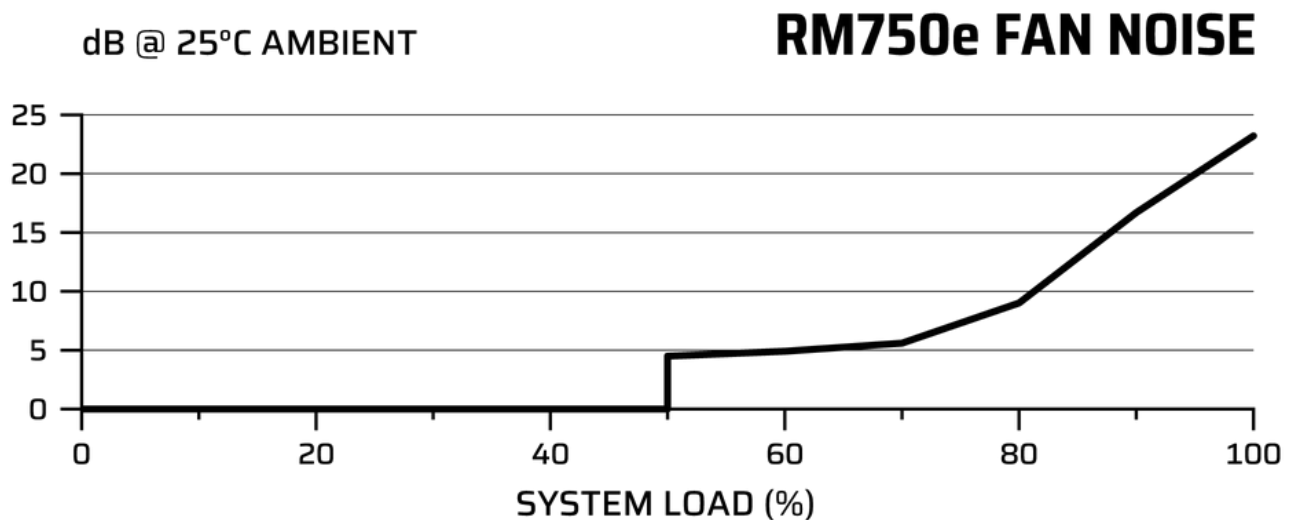
- Power Supply
- AC Cable
- DC Cables
- Cable Ties
- Mounting Screws
- Safety Leaflet

Model	RPS0215	
Part No.	75-006460	
Corsair SKU No.	CP-9020295	
	AC Input Rating	
AC Input	100V a.c.-240V a.c.	
Input Current	10A-5A	
Frequency	47-63Hz	
	Max Load	Max Output
+5V	20A	110W
+3.3V	20A	
+12V	62.5A	750W
+5Vsb	3A	15W
Total Power	750W	

RM750e EFFICIENCY



RM750e FAN CURVE



RM850e Specifications

Dimensions: 140mm(L) x 150mm(W) x 86mm (H)



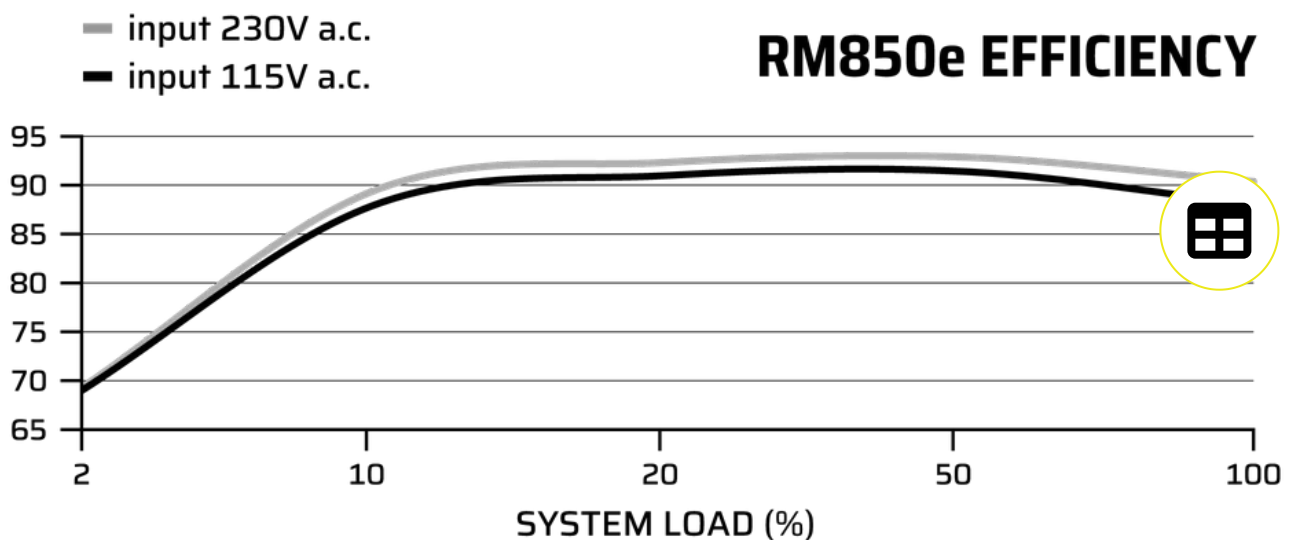
Package Contents:

- Power Supply
- AC Cable
- DC Cables
- Cable Ties
- Mounting Screws

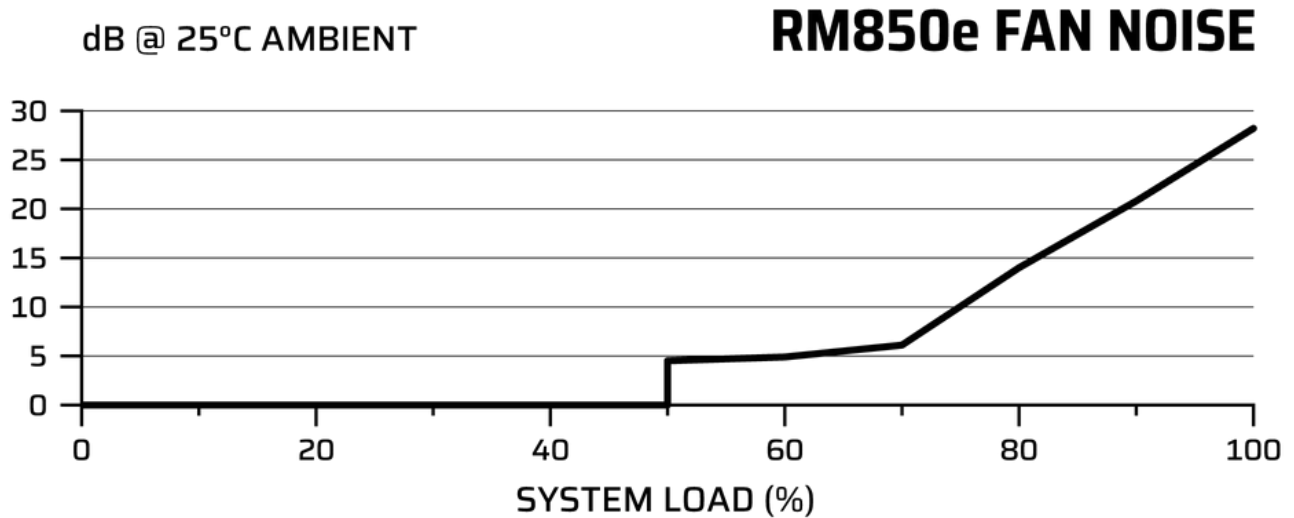
- Safety Leaflet

Model	RPS0216	
Part No.	75-006461	
Corsair SKU No.	CP-9020296	
	AC Input Rating	
AC Input	100V a.c.-240V a.c.	
Input Current	10A-5A	
Frequency	47~63Hz	
	Max Load	Max Output
+5V	20A	110W
+3.3V	20A	
+12V	70.8A	850W
+5Vsb	3A	15W
Total Power	850W	

RM850e EFFICIENCY



RM850e FAN CURVE



RM1000e Specifications

Dimensions: 140mm(L) x 150mm(W) x 86mm (H)

Package Contents:

- Power Supply
- AC Cable
- DC Cables
- Cable Ties
- Mounting Screws
- Safety Leaflet

Model	RPS0217	
Part No.	75-006462	
Corsair SKU No.	CP-9020297	
	AC Input Rating	
AC Input	100V a.c.-240V a.c.(不适用中国)	200-240V (适用中国. Only For China & Korea)
Input Current	12A-6A	10A

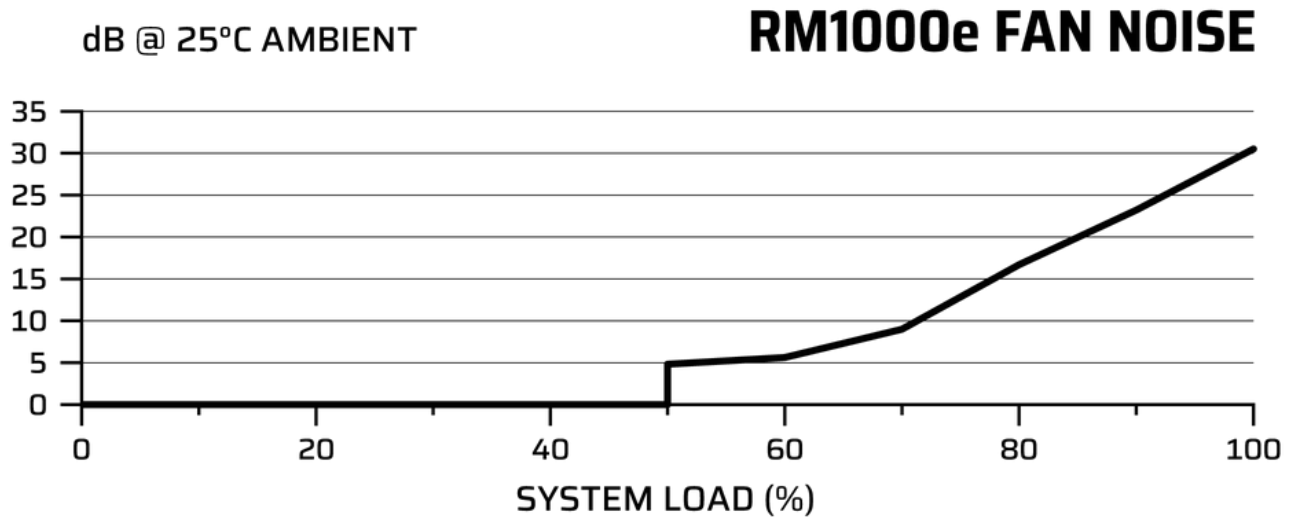
Frequency	47~63Hz	
	Max Load	Max Output
+5V	20A	150W
+3.3V	20A	
+12V	83.3A	1000W
+5Vsb	3A	15W
Total Power	1000W	

RM1000e EFFICIENCY



RM1000e FAN CURVE





Safety and Protection

Safety and Protection

- **OVER-VOLTAGE PROTECTION (OVP)**

Over-voltage protection for the 12V, 5V, and 3.3V DC outputs is required to comply with the ATX specification. OVP shuts down the PSU in the event that the DC outputs exceed a set level.

- **UNDER-VOLTAGE PROTECTION (UVP)**

Under-voltage protection for the 12V, 5V and 3.3V DC outputs is required to comply with the ATX specification. UVP shuts down the PSU in the event that the DC outputs drop below a set level.

- **OVER-CURRENT PROTECTION (OCP)**

OCP is featured on the 3.3V, 5V, and 12V rails. OCP ensures that the output of the DC voltage rails remains within safe operating limits.

- **OVER-TEMPERATURE PROTECTION (OTP)**



OTP ensures that the PSU will shut down when the internal temperature reaches a set point. This is usually as a result of internal current overloading or a fan failure.

- **SHORT-CIRCUIT PROTECTION (SCP)**

A short-circuit is defined as any output impedance of less than 0.1 ohms. Amongst other things, SCP ensures that the PSU shuts down should the 3.3V, 5V, and 12V rails short to any

other rail, or to ground. It also ensures that no damage should occur to the unit, or your PC's components in the event of a short.

- **OVER-POWER PROTECTION (OPP)**

Over-power protection shuts off the PSU when the power drawn is between 115% and 135% of the rated power.

Warranty

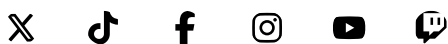


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SUPPORT

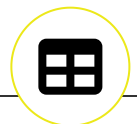
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