



TXM SERIES™

TXM SERIES™

TX 550M

TX 650M

TX 750M

TX 850M

HIGH PERFORMANCE ATX POWER SUPPLY

corsair.com

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MANUAL



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Congratulations on the purchase of your new Corsair TXM Series High Performance ATX power supply.

Corsair TXM Series enthusiast power supplies are optimized for silence, with a custom fan design. 80 PLUS Gold rated efficiency ensures low-cost operation, and the modular black cables allow for fast, neat builds. All Japanese 105°C capacitors make it a great choice for high performance PCs where reliability is essential.

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, determined by the PSU manufacturer. The minimum voltage levels required for compliance are 13.4V for the +12V rail(s), 5.74V for the +5V rail and 3.76V for the 3.3V rail.

- **Over-current protection (OCP)**

The TXM Series features OCP 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.

TX850M

Dimensions: 150mm (W) x 86mm (H) x 160mm (L)

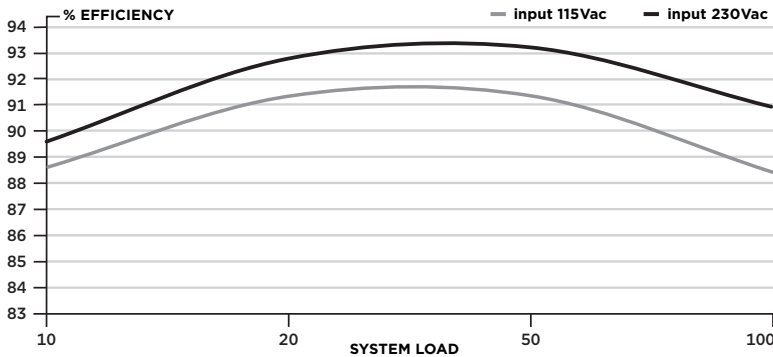
Package contents

- Corsair TXM Series power supply unit
- AC power cord
- DC Modular cable set
- DC Modular cable storage bag
- Cable ties
- Corsair case badge
- User manual

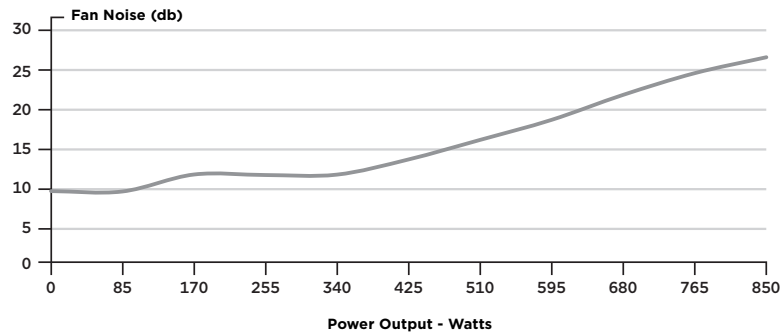
Corsair TX850M power table

			Max Load	Max Output
Model	RPS0067	+3.3V	25A	130W
Part No.	CP-9020130 / 75-002626	+5V	25A	
AC input Rating	100 - 240V	+12V	70.8A	849.6W
Input Current	12A - 6A	-12V	0.8A	9.6W
Frequency	47 - 63Hz	+5Vsb	3A	15W
Total Power: 850W				

Corsair TX850M power supply efficiency



Corsair TX850M power supply fan noise curve



Corsair TX850M DC cable listing

Qty	Description	Connectors Per Cable	Total Length	
1	ATX Cable 24 Pin (20+4) 	1	610mm (± 10mm)	
		Total Connectors		1
		1		
1	EPS/ATX12V 8 Pin (4+4) Cable 	1	650mm (± 10mm)	
		Total Connectors		1
		1		
2	PCIe 8 Pin (6+2) Cable 	2	750mm (± 10mm)	
		Total Connectors		4
		4		
2	SATA Cable 	4	800mm (± 10mm)	
		Total Connectors		8
		8		
2	Peripheral Cable (4-Pin) 	4	750mm (± 10mm)	
		Total Connectors		8
		8		
2	Floppy adapter 	1	101mm (± 5mm)	
		Total Connectors		2
		2		

TX750M

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

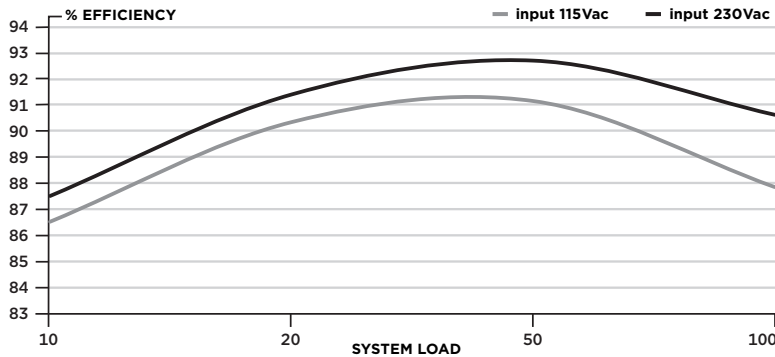
Package contents

- Corsair TXM Series power supply unit
- AC power cord
- DC Modular cable set
- DC Modular cable storage bag
- Cable ties
- Corsair case badge
- User manual

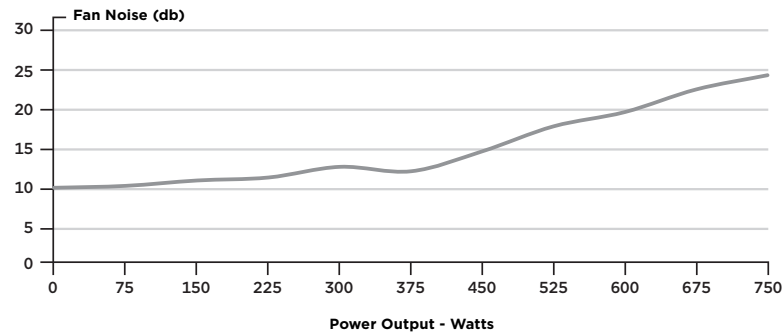
Corsair TX750M power table

			Max Load	Max Output
Model	RPS0070	+3.3V	25A	130W
Part No.	CP-9020131 / 75-002625	+5V	25A	
AC input Rating	100 - 240V	+12V	62A	744W
Input Current	10A - 5A	-12V	0.8A	9.6W
Frequency	47 - 63Hz	+5Vsb	3A	15W
Total Power: 750W				

Corsair TX750M power supply efficiency



Corsair TX750M power supply fan noise curve



Corsair TX750M DC cable listing

Qty	Description	Connectors Per Cable	Total Length	
1	ATX Cable 24 Pin (20+4) 	1	610mm (± 10mm)	
		Total Connectors		1
				1
1	EPS/ATX12V 8 Pin (4+4) Cable 	1	650mm (± 10mm)	
		Total Connectors		1
				1
2	PCIe 8 Pin (6+2) Cable 	2	750mm (± 10mm)	
		Total Connectors		4
				4
2	SATA Cable 	4	800mm (± 10mm)	
		Total Connectors		8
				8
1	Peripheral cable (4-pin) 	3	650mm (± 10mm)	
		Total Connectors		3
				3
1	Peripheral cable (4-pin) 	4	750mm (± 10mm)	
		Total Connectors		4
				4
2	Floppy adapter (4-pin) 	1	101mm (± 5mm)	
		Total Connectors		2
				2

TX650M

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

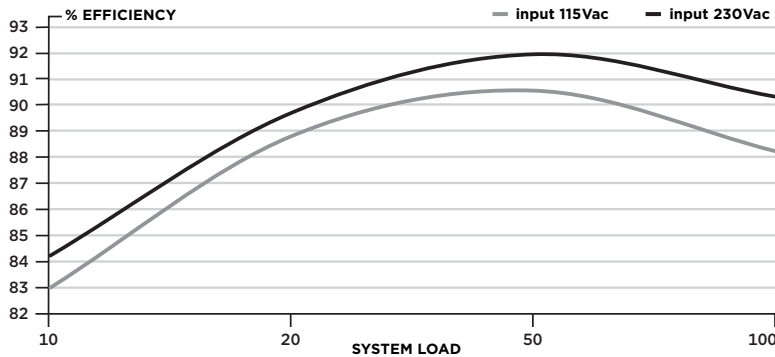
Package contents

- Corsair TXM Series power supply unit
- AC power cord
- DC Modular cable set
- DC Modular cable storage bag
- Cable ties
- Corsair case badge
- User manual

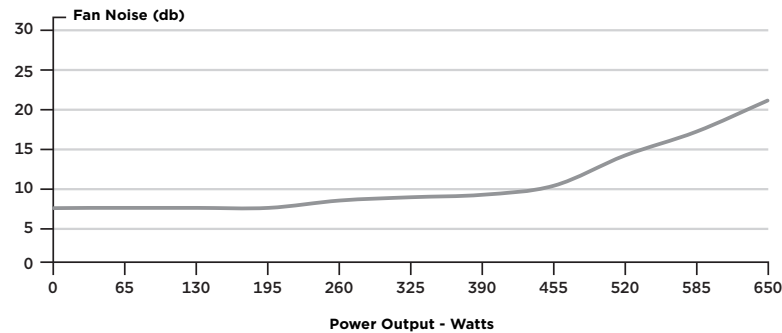
Corsair TX650M power table

			Max Load	Max Output
Model	RPS0069	+3.3V	25A	130W
Part No.	CP-9020132 / 75-002624	+5V	25A	
AC input Rating	100 - 240V	+12V	51A	612W
Input Current	10A - 5A	-12V	0.8A	9.6W
Frequency	47 - 63Hz	+5Vsb	3A	15W
Total Power: 650W				

Corsair TX650M power supply efficiency



Corsair TX650M power supply fan noise curve



Corsair TX650M DC cable listing

Qty	Description	Connectors Per Cable	Total Length	
1	ATX Cable 24 Pin (20+4) 	1	610mm (± 10mm)	
		Total Connectors		1
		1		
1	EPS/ATX12V 8 Pin (4+4) cable 	1	650mm (± 10mm)	
		Total Connectors		1
		1		
2	PCIe 8 Pin (6+2) cable 	2	750mm (± 10mm)	
		Total Connectors		4
		4		
2	SATA Cable 	3	700mm (± 10mm)	
		Total Connectors		6
		6		
1	Peripheral Cable (4-Pin) 	4	750mm (± 10mm)	
		Total Connectors		4
		4		
1	Floppy Adapter (4-Pin) 	1	101mm (± 5mm)	
		Total Connectors		1
		1		

TX550M

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

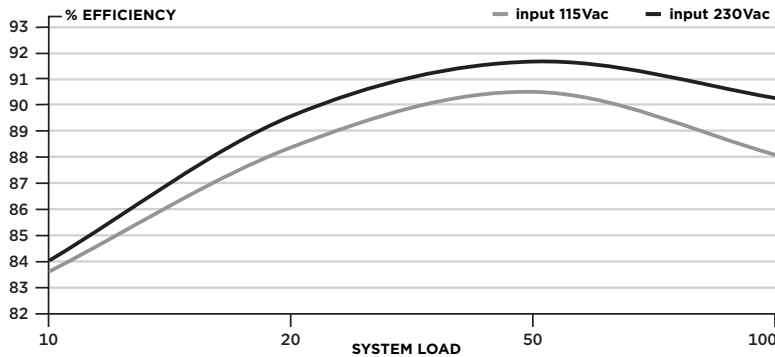
Package contents

- Corsair TXM Series power supply unit
- AC power cord
- DC Modular cable set
- DC Modular cable storage bag
- Cable ties
- Corsair case badge
- User manual

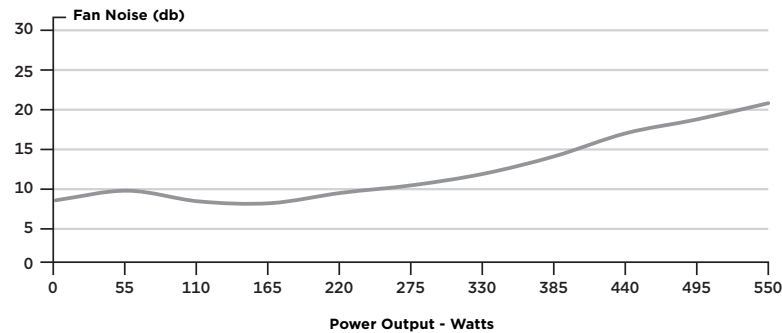
Corsair TX550 power table

			Max Load	Max Output
Model	RPS0068	+3.3V	25A	120W
Part No.	CP-9020133 / 75-002623	+5V	20A	
AC input Rating	100 - 240V	+12V	43A	516W
Input Current	10A - 5A	-12V	0.8A	9.6W
Frequency	47 - 63Hz	+5Vsb	3A	15W
Total Power: 550W				

Corsair TX550M power supply efficiency



Corsair TX550M power supply fan noise curve



Corsair TX550M DC cable listing

Qty	Description	Total Length	
1	ATX Cable 24 Pin (20+4) 	Connectors Per Cable	610mm (± 10mm)
		1	
		Total Connectors	
1	EPS/ATX12V 8 Pin (4+4) cable 	Connectors Per Cable	650mm (± 10mm)
		1	
		Total Connectors	
1	PCIe 8 Pin (6+2) cable 	Connectors Per Cable	750mm (± 10mm)
		2	
		Total Connectors	
1	SATA Cable 	Connectors Per Cable	600mm (± 10mm)
		2	
		Total Connectors	
1	SATA Cable 	Connectors Per Cable	700mm (± 10mm)
		3	
		Total Connectors	
1	Peripheral Cable (4-Pin) 	Connectors Per Cable	750mm (± 10mm)
		4	
		Total Connectors	
1	Floppy Adapter (4-Pin) 	Connectors Per Cable	101mm (± 5mm)
		1	
		Total Connectors	

Installing your NEW TXM Series

Step A: Removing your existing power supply

If you are building a new system, skip to Step B.

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 power supply.
4. Proceed to Step B.

Step B: Installing the Corsair TXM Series 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. The main 24-pin power cable has a detachable 4-pin mechanism in order to support either a 24-pin or a 20-pin socket on the motherboard.
 - A. If your motherboard has a 24-pin socket, you may connect the 24-pin main power cable from the power supply directly to your motherboard.
 - B. If your motherboard has a 20-pin socket, you must detach the four-pin cable from the 24-pin connector, and then plug the 20-pin cable onto your motherboard without connecting the four-pin connector.
4. Connect the eight-pin +12V (EPS12V) cable to the motherboard.
 - A. If your motherboard has an eight-pin +12V socket, connect the eight-pin cable directly to your motherboard.
 - B. If your motherboard has a four-pin socket, detach the four-pin from the eight-pin cable, and then plug this four-pin cable directly to your motherboard.

WARNING: The detachable four-pin from the 24-pin main connector is not a “P4” or “+12V” connector. Serious damage can be caused if you use it in place of a “P4” or “+12V” connector.

5. Connect the peripheral cables, PCI-Express cables, and SATA cables.
 - A. Connect the peripherals cables to your hard drive and CD-ROM/DVD-ROM power sockets.
 - B. Connect the SATA cables to your SATA SSD or hard drive's power sockets.
 - C. Connect the PCI-Express cables to the power sockets of your PCI-Express video cards if required.
 - D. Connect the peripheral cables to any peripherals requiring a small 4-pin connector.
 - E. Make sure all the cables are tightly connected. Be sure to save any unused modular cables for future component additions.
6. Connect the AC power cord to the power supply and turn it on by pushing the switch to the ON position (marked with “I”).

Important safety information



CAUTION ELECTRIC SHOCK HAZARD!

1. Install in accordance with all manufacturer instructions and safety warnings. Failure to do so may result in damage to your power supply or system, and may cause serious injury or death.
2. High voltages are present in the power supply. Do not open the power supply case or attempt to repair the power supply; there are no user-serviceable components.
3. This product is designed for indoor use only.
4. Do not use the power supply near water, or in high temperature or high humidity environments.
5. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
6. Do not insert any objects into the open ventilation or fan grill area of the power supply.
7. Do not modify the cables and/or connectors included with this power supply.
8. If this power supply uses modular cables, use only manufacturer supplied cables. Other cables might not be compatible and could cause serious damage to your system and power supply.
9. The 24-pin main power connector has a detachable 4-pin connector. This 4-pin connector is not a P4 or ATX 12V connector. Do not force this cable in the P4 or ATX +12V socket on the motherboard.
10. Failure to comply with any manufacturer instructions and/or any of these safety instructions will immediately void all warranties and guarantees.

Safety and agency approvals

AGENCY	STANDARD
FCC	FCC Rules Part 15, Class B
ICES	ICES-003
CE	2014/30/EU (EMC Directive) EN55032: 2012/AC:2013,, Class B CISPR 32: 2012,Class B AS/NZS CISPR 22:2009,Class B EN 61000-3-2:2014,Class D EN 61000-3-3:2013 EN55024: 2010 IEC61000-4-2: 2008 ED.2.0 IEC61000-4-3: 2010 ED.3.2 IEC61000-4-4: 2012 ED.3.0 IEC61000-4-5: 2005 ED.2.0 IEC61000-4-6: 2008 ED.3.0 IEC61000-4-8: 2009 ED.2.0 IEC61000-4-11: 2004 ED.2.0 2014/35/EU (LVD Directive) EN 60950-1/A2:2013
UL+cUL(American)	UL 60950-1, 2nd Edition,CAN/CSA C22.2 No. 60950-1-07, 2nd Edition
RCM	EN 55022:2010, AS/NZS60950-1:2011
TUV	EN60950-1 A2/2013
CB	IEC 60950-1/A2:2013
CCC	GB4943.1-2011 GB9254-2008 GB17625.1-2012
BSMI	CNS14336 CNS13438
EAC	R IEC 60950-1-2011 R 61000-3-2-2006 R 61000-3-3-2011
ROHS	2011/65/EC, Restriction of Hazardous Substances Directive
WEEE	2002/96/EC, Waste Electrical and Electronic Equipment Directive
ROHS (China)	China Order No.39, Administration on the Control of Pollution Caused By Electronic Information Products
KC	K60950-1, K00022, K00024

CORSAIR LIMITED WARRANTY

Corsair provides a warranty to the original purchaser only that any genuine Corsair hardware product purchased from an authorized Corsair reseller will be free from defects in material and workmanship for a specific length of time from the date of purchase. The warranty period will vary by specific product, as identified in your user documentation, or on the product package. In the event any of these warranty periods differ, the longest specified warranty period will apply.

Except where prohibited by applicable local law, this warranty is limited to the original purchaser and is non-transferable. This warranty provides you with specific legal rights, and you may have additional rights that vary under local laws.

In general, this warranty means your Corsair power supply is guaranteed to operate, as specified by its datasheet and/or product documentation, and in the operating environment for which it was intended, for the life of the product or the extent of the warranty.

Remedies

Corsair's entire liability and your exclusive remedy for any breach of warranty shall be, at Corsair's exclusive discretion: 1) to repair or replace the hardware, or 2) to refund the price paid, provided that the hardware is returned to the original place of purchase, or another place as directed by Corsair, with the original sales receipt (or a valid copy thereof). You may be required to pay shipping and handling charges, as well as any applicable tariffs, duties, taxes, or other fees, except where prohibited by applicable local law. Corsair may, at its exclusive discretion, use new, or used/refurbished parts in good working condition, to repair or replace the hardware.

Any repaired or replacement hardware will be warranted for the remainder of the original warranty period, or thirty (30) days, whichever is greater, or for any additional period of time that is specified by law in your local jurisdiction.

Obsolete or Discontinued Products

Whenever possible, an obsolete or discontinued product will be replaced with the same product. If Corsair is unable to replace your obsolete or discontinued product with the same product, Corsair will replace that product with a new product of similar function and equal or greater value.

Exclusions

This warranty does not cover problems or damage resulting from, but not limited to, any of the following:

1. Wear and tear associated with normal use.
2. Any modification, abuse, accident, disassembly, misapplication, or unauthorized repair.
3. Removal of any manufacturer label(s) or sticker(s).
4. Any improper operation, including any use not in accordance with any supplied product instructions.
5. Connection to any improper voltage supply.
6. Use of consumables, such as replacement batteries, not supplied by Corsair, except where such restriction is prohibited by applicable local law.
7. Any other cause which does not relate to a product defect in materials or workmanship.

Also excluded from this warranty are counterfeit products; that is, products that Corsair, at its sole discretion, determines were not manufactured by Corsair or any of its authorized manufacturing partners.

Limitation of Liability

CORSAIR SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO LOSS

Limitation of Liability

CORSAIR SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, REVENUE, OR DATA (WHETHER DIRECT OR INDIRECT) OR COMMERCIAL LOSS FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON YOUR PRODUCT EVEN IF CORSAIR HAS BEEN ADVISED PREVIOUSLY OF THE POSSIBILITY OF SUCH DAMAGES. Some local laws do not allow the exclusion or limitation of special, indirect, incidental or consequential damages, so this limitation or exclusion may not apply in your jurisdiction.

Duration of Implied Warranties

EXCEPT AS PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS HARDWARE PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THE APPLICABLE LIMITED WARRANTY PERIOD FOR YOUR PRODUCT. Some local laws do not allow limitations on how long an implied warranty may last, so this limitation may not apply in your jurisdiction.

National Statutory Rights

Consumers may have legal rights under applicable national legislation governing the sale of consumer goods. Such rights are not affected by the warranties in this Limited Warranty.

No Other Warranties

No Corsair employee, dealer, or other agent is authorized to make any modification, extension, or addition to this warranty.

How to Make a Warranty Claim

Before submitting a warranty claim, we suggest you contact our technical support group or visit corsair.com and review the support section for technical assistance. A simple fix for your problem may be found there.

Generally, valid warranty claims should be processed through your original point of purchase during the first thirty (30) days after purchase. This period may vary depending on where you purchased your product; please verify the return policy with the retailer where you purchased your product. Any warranty claims that cannot be processed through your original point of purchase should be addressed directly to Corsair.

Our customer service contact information can be found on the web at corsair.com/contact or in the documentation included with your product.

Please see corsair.com/warranty for instructions for obtaining an RMA number.