

*Rosewill®*

**GLACIER**

**USER Manual**

**GLACIER 500M**

**GLACIER 600M**

**GLACIER 700M**

**GLACIER 850M**

**GLACIER 1000M**

**GLACIER 1200M**

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## **Introduction**

Rosewill is the platform of choice for avid PC gamers and the Rosewill GLACIER Power Supply series is built to the highest quality standard and delivers the ultimate performance for enthusiasts.

## **Product Features**

- 80 Plus Bronze certified to deliver over 85% efficiency
- ATX 12V v2.3 ready, supports to EPS 12V v2.92 and backwards compatible with ATX 12V v2.01
- Modular cable management
- Active Power Factor Correction (PFC) with PF value of 0.99
- Maximum Protection: Over-voltage and over-current protection, over-temperature protection, over-power protection, short circuit protection, under-voltage protection
- Silent 135mm Aero-Diversion fan with auto-speed control further reduces the heat exhaust in PSU
- Extra-long cables support full size gaming chassis
- Crossfire and SLI support
- MTBF >100,000 hours at 80% load, ambient temperature at 25°C

## **Package Contents**

GLACIER Series
<ul style="list-style-type: none"><li>• Power Supply Unit x1</li><li>• Modular cable set x1</li><li>• Carry bag x1 (850M /1000M /1200M only)</li><li>• User manual x1</li><li>• AC power cord x1</li><li>• Cable tie x3</li><li>• Mounting screws x4</li><li>• Reusable cable bag x1 (850M /1000M /1200M only)</li></ul>

## Electronic Specifications

### GLACIER 500M

Model No.	AC Input		DC Output	+3.3V	+5V	+12V	-12V	+5VSB
	Voltage	Current						
GLACIER 500M	110V-240V	8A-4A	Max Output Current	20A	20A	37A	0.3A	2.5A
			Max Combined Wattage	100W		444W	3.6W	12.5W
			Total Output	500W				

### GLACIER 600M

Model No.	AC Input		DC Output	+3.3V	+5V	+12V	-12V	+5VSB
	Voltage	Current						
GLACIER 600M	110V-240V	10A-5A	Max Output Current	20A	20A	45A	0.3A	2.5A
			Max Combined Wattage	100W		540W	3.6W	12.5W
			Total Output	600W				

### GLACIER 700M

Model No.	AC Input		DC Output	+3.3V	+5V	+12V	-12V	+5VSB
	Voltage	Current						
GLACIER 700M	110V-240V	12A-6A	Max Output Current	20A	20A	53A	0.3A	2.5A
			Max Combined Wattage	100W		636W	3.6W	12.5W
			Total Output	700W				

### GLACIER 850M

Model No.	AC Input		DC Output	+3.3V	+5V	+12V	-12V	+5VSB
	Voltage	Current						
GLACIER 850M	100V-240V	12.5A-6A	Max Output Current	20A	20A	70A	0.5A	3A
			Max Combined Wattage	120W		840W	6W	15W
			Total Output	850W				

### GLACIER 1000M








Model No.	AC Input		DC Output	+3.3V	+5V	+12V	-12V	+5VSB
	Voltage	Current						
GLACIER 1000M	100V-240V	15A-7A	Max Output Current	20A	20A	83A	0.5A	3A
			Max Combined Wattage	120W		996W	6W	15W
			Total Output	1000W				

### GLACIER 1200M

Model No.	AC Input		DC Output	+3.3V	+5V	+12V	-12V	+5VSB
	Voltage	Current						
GLACIER 1200M	100V-240V	16A-8A	Max Output Current	20A	20A	100A	0.5A	3A
			Max Combined Wattage	120W		1200W	6W	15W
			Total Output	1200W				

## Connectors

### GLACIER Series

Cable							
	20+4 MainBoard PIN	+12V EPS 4+4 PIN Connector	+12V EPS 8 PIN Connector	6+2 PIN PCI-E Connector	SATA Connector	4 PIN Molex Peripheral Connector	4 PIN Floppy Connector
GLACIER 500M	1	1	0	2	5	4	1
GLACIER 600M	1	1	0	2	6	4	1
GLACIER 700M	1	1	0	4	6	4	1
GLACIER 850M	1	1	1	4	8	6	2
GLACIER 1000M	1	1	1	6	8	6	2
GLACIER 1200M	1	1	1	6	10	6	2

## Installation

**If replacing an existing PSU in a system, you will first need to remove the old PSU.**

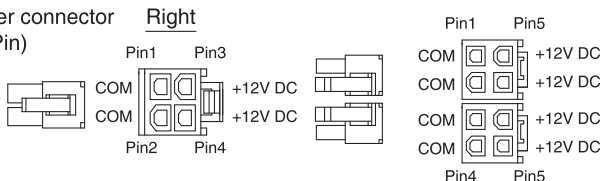
**Please proceed as follows:**

1. Disconnect the AC power cord from your existing power supply unit
2. Disconnect the power supply from all the components in the PC, make sure that all the connectors are unplugged.
3. Remove the four screws from the rear of the case that hold the old power supply to the chassis, and then remove the old power supply unit from case.

### Installing the new Glacier series power supply:

1. Make sure the I/O switch of the PSU is at off "O" position.
2. Install the Power supply unit in the appropriated space in the PC case and secure it by screwing the four screws into the rear of the power supply.
3. Connect the 20+4 pin main power cable to the motherboard 20/24pin socket.  
The detachable 4 pin section of the connector can be separated to support a 20 pin connection or section together to support a 24 pin socket.
4. Connect the 4+4 PIN (8 PIN) power cable to the mainboard. If your mainboard supports only 4 PIN jack, connect only the right side of the connector to the mainboard.

+12V CPU power connector  
(EPS 8Pin/4+4Pin)



5. If you are using a graphics board with a 6 PIN/8 PIN connector please connect the respective connector to the socket on the board.  
If your graphics supports more than one socket, please connect the respective connector to the socket on board.
6. Connect the SATA or Peripheral 4 PIN Molex connectors to the hard disk or SSDs or optical drive.
7. Connect any other internal components that require power to the appropriate connector.
8. Make sure all the cables are securely seated
9. Connect the AC power cord into the back of the power supply and Switch on I/O switch at input "I" position.
10. Your PSU is now connected and ready.

## Safety and EMI Certification



Tested To Comply  
With FCC Standards  
FOR HOME OR OFFICE USE



## Safety & Warning

- Due to the high voltage inside the power supply, do not attempt to remove the cover of power supply. The warranty will be void if the cover is removed.
- Do not insert any objects into the open ventilation or fan grill area of the power supply.
- Do not store the power supply in high humidity and high temperature environment,
- Do not plug or unplug the power cord with wet hand.

## Troubleshooting

**If you installed the new power supply and the system is not working properly, please check the following:**

- Make sure the AC power cord is plugged correctly into PSU inlet socket and power switch is at input "I" position.
- Make sure the wall socket, extension power cord, power strip or surge protector in use, fully functional and wall power switch turned on
- Make sure that all the connectors from power supply are correctly plugged into the mainboard.
- Make sure there are no short circuits within the systems that could result from defective hardware or misplaced connectors
- If your are not sure take all parts out of the housing and only leave the mainboard inside together with the power supply. Disconnect all plugs, check them and then connect them again to the respective sockets.

## Information

**Thank you for purchasing a High-Quality Rosewill Product.**

Please register your product at : [www.rosewill.com](http://www.rosewill.com) for complete warranty information and future support for your product. If you have any question while using our products, please feel free to contact us at [techsupport@rosewill.com](mailto:techsupport@rosewill.com)

**Support Phone Number: 800-575-9885**

**Support Email: [techsupport@rosewill.com](mailto:techsupport@rosewill.com)**

