

⚠ Please read this manual first before using product.

User's Manual

GP-SL350 Series [350W]



www.GlacialPower.com

- GP-SL350CP
- GP-SL350C2
- GP-SL350CN

Introductions

GlacialPower SL Series products are designed to be in compliance with ATX12V V2.2 to support the latest Intel Core™ 2 Duo and AMD Athlon™ 64 X2 CPU systems. You have made a wise selection of GlacialPower products. This is your best buy.

Features

- ATX12V Version 2.2
- Dual +12V rails
- +5Vsb capability 12.5W (2.5A)
- Full output power from 0°C to 40°C
- Full protection features of SCP, OVP, OPP
- Typical 72% power efficiency by passive PFC design
- Fan speed control to extend Fan life cycle
- Fan concerning reduced noise level
- 100% full load burn-in test
- Manufactured with high reliability and in strict processes

Specifications

- ▶ **GP-SL350CP (with Passive PFC)**
- ▶ **GP-SL350C2 (without PFC)**

AC Input

Parameter	Min.	Nom.	Max.
V _{in} (230 Vac)	207Vrms	200 ~ 240Vrms	264Vrms
V _{in} Frequency	47Hz	50 / 60Hz	63Hz

DC Output and Load

DC Output	+5V	+3.3V	+12V1	+12V2	-12V	+5Vsb
Nominal Output Voltage (V)	5	3.3	12	12	-12	5
Min. Current (A)	0.5	0.5	1	1	0	0
Max. Current (A)	12	20	10	13	0.3	2.5
Max. Power (W)	60	66	120	156	3.6	12.5
Combined Max. Power (W)	126		276		16.1	
Total Max. Output Power (W)	350					

- ▶ **GP-SL350CN (without PFC)**






AC Input

Parameter	Min.	Nom.	Max.
V _{in} (115Vac)	103Vrms	100 ~ 120Vrms	132Vrms
V _{in} (230Vac)	207Vrms	200 ~ 240Vrms	264Vrms
V _{in} Frequency	47Hz	50 / 60Hz	63Hz

DC Output and Load

DC Output	+5V	+3.3V	+12V1	+12V2	-12V	+5Vsb
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Output Connector Quantities

Model	Main Power (20+4)P	CPU Connector (4P)	5.25" HDD (4P)	Serial ATA	3.5" FDD (4P)
					
Output connector number	1	1	4	2	2

Power Supply Installation Instructions

For New System

1. Consult your system or chassis manual to open your computer chassis properly.
2. Position the power supply into your computer chassis and secure with screws.
3. Connect DC output connectors to motherboard and peripheral devices.
 - a. Attach the (20+4) pin main power connector to the motherboard 24 pins connector, or use the 20 pins main power connector to connect to the motherboard 20 pins connector.
 - b. Attach the 4 pins +12V power connector to the motherboard 4 pins connector.
 - c. Attach the peripheral 4 pins connector to the peripheral devices (HDD, ODD). The Serial ATA connectors are used for your hard disk drivers with Serial ATA interface.
 - d. Attach 4 pins floppy disk driver power connector to the floppy driver.
4. Arrange the wires carefully to avoid any wires blocking the CPU and/or system fan.
5. Follow the system or chassis manual to close your computer system chassis properly.
6. Check the power supply input voltage range switch, if you set on the correct position (115 or 230). Default setting is 230, if your city power is 115 Vac, please change the switch to 115 position.



7. Connect the power cord to the power supply, then insert the power cord plug into your city power socket.
8. Switch the "I/O" AC power switch to "I" status then turn on your computer.



For Replacement

1. Make sure the system power is turned off and power cord is disconnected.
2. Consult your system manual to open the system chassis properly.
3. Disconnect all old power supply DC output connectors from the motherboard and other peripheral devices.
4. Remove old power supply screws from the system chassis and then remove old power supply from the system.
5. Follow Step 2 to 8 mentioned above to complete the new power supply replacement and run your system with new power supply.

Warnings

1. Do not open the power supply chassis. Warranty becomes invalid, if the power supply chassis cover is removed. Under no circumstances should the power supply cover be opened. There are dangerous high voltages inside the power supply.
2. Make sure the input voltage range switch is on right position before plug the AC power cord and turn on the power supply. Wrong input voltage switch setting will cause the system not to operate properly or to damage the power supply permanently.
3. Please keep the power supply away from humidity and do not block the exit of the air flow in operation.

Trouble Shooting

If the power supply fails to operate properly, please follow the steps given below to check, before you return it for reparation.

1. Does the input voltage range switch in right position?
2. Does the AC power cord plug properly from wall outlet to AC inlet of the power supply?
3. Ensure the power supply "I/O" switch is switched to "I" status.
4. Check all DC output connectors are properly connected to all locations and devices.
5. Recycle turn-off and turn-on the power supply through the "I/O" switch with intervals at least 20 seconds.

Safety Approval



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17-SL350CP001