

Double Open Rechargeable Solar Car Freezer



Model PX30 / PX40 / PX50
193Wh/14.8V

Quick Guide Manual

Thank you for using LiONCooler Pro.
Please read the following carefully before use:

NOTE:

The Portable Power Bank is a 193Wh, 52000mA battery, referred to as "X230".

Please do not try to turn off the X230, it operates on auto-mode not manual. The X230 will turn off automatically within 30 seconds if no load output.


When the X230 is plugged in the fridge, the X230 will turn off the output within 2 hours after turning off the fridge.

I. X230 USE Stand-Alone



- **LCD Screen Turn On:** Short Press the "on/off" switch button, the LCD display shows "output1", voltage and power.
- **DC OUTPUT (DC5521):** Hold Press the "on/off" switch button for 3 secs, it will show "output1", voltage and power. The X230 meets the Different Voltage Requirements for Different Equipment: 12V/16V/20V/24V. Please short press (less than 1 sec) the "on/off" button, it will switch voltage mode among the 12V/16V/20V/24V.
- **DC OUTPUT2:** Works when the power bank is plugged in the LionCooler Pro Refrigerator. Voltage Range: DC12V~16.8V
- **TYPE-C(USB-C):** IN/OUTPUT PD 60W; 5V/9V/12V/15V/20V Max3A
- **LED Light:** On and off: To turn on the LED Light, Double Press (⏻) the button, to turn off, Double Press the (⏻) button.
- **LED Emergency Flashing Light on:** Double Press + Short Press (once)

II. X230 For LIONCooler Pro

When the X230 is plugged in the LionCooler Pro, short press (less than 1 sec), the unit will show "OUT1 OUT2", the X230 will power the unit, the display on the fridge will show OUT2 and after 30 secs the display will show a battery symbol 

III. Charging for X230

A: Wall Charge: Plug in the Fridge

When the AC Adapter is connected, it will simultaneously power the fridge and charge the X230 (until fully charged). Unplugging the ac adapter, the X230 will automatically turn on to power the LionCooler Pro. The Max Current is 4A.

B: Charging via "DC IN": Charge the X230 Separately

Use the AC adapter with 5521 connector to charge X230 through "DC IN". Input voltage : DC12V~Max30V. Maximum DC Charging Current : 5A

C: Solar Charging

The x230 has built-in MPPT Controller, solar efficiency is up to 98%, charge the X230 by connecting the MC4 adapter included in the LiONCooler Packing List to the solar panel. The max solar charging Current is 5A. Solar power can be used to simultaneously operate the LiONCooler Pro and charge the X230.

IV. FAQ

A: X230 is plugged in the fridge, but it does not charge with the wall outlet?

1. Check if the voltage is normal (12v~16.8v). If the voltage is below 12v, this is an operation error, please refer to the "II: X230 For LIONCooler Pro"
2. If voltage is normal, check if the battery terminal is loose and the communication terminals between X230 and internal communication (DC OUTPUT2) of the coolers are connected securely, open the battery cover, remove the battery to check for any dirt, leaves, articles that prevent from secure X230 to LiON Cooler connection (disconnect the AC adapter or solar panel before checking).

B: Plugged in the fridge, why does the X230 always turn off within 10secs?

Check if the battery terminal is loose and the communication terminals between X230 and internal communication (DC OUTPUT2) of the coolers are connected securely, open the battery cover, remove the battery to check for any dirt, leaves, articles that prevent from secure X230 to LiON Cooler connection (disconnect the AC adapter or solar panel before checking).

C: Solar Panel Charging is not working

Check if the solar panel output voltage is normal (DC12~30V).

If voltage is normal. Please check whether the terminals of the cooler's internal communication cables are connected securely, open the battery cover, remove the battery to check for any dirt, leaves, articles that prevent from secure X230 to LiON Cooler connection (disconnect the AC adapter or solar panel before checking).

D: How to turn off the X230

If X230 is not connected to any load (including refrigerator), X230 will turn off automatically within 30 seconds.

E: Could the solar panel power the fridge without X230 built-on?

The output voltage of the solar panel is not suitable to direct charge the LiONCooler Pro, solar power will charge the X230 and then power the fridge.

F. How to remove the drain plug at the bottom.

Please turn the plug counterclockwise for one circle to unplug.