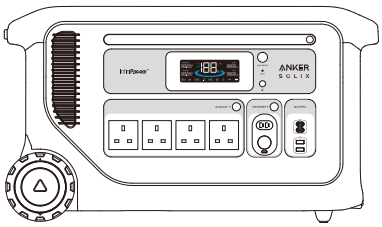
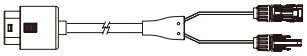
What's in the Box



Anker SOLIX F3000 Portable Power Station

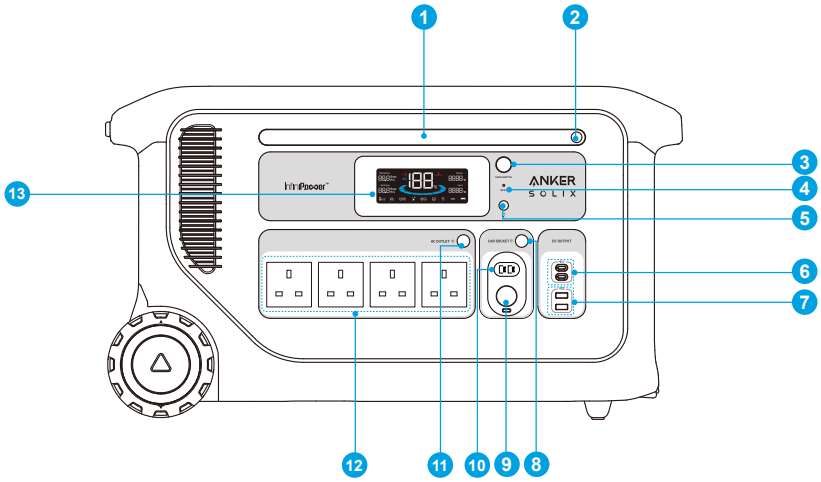
AC Charging Cable

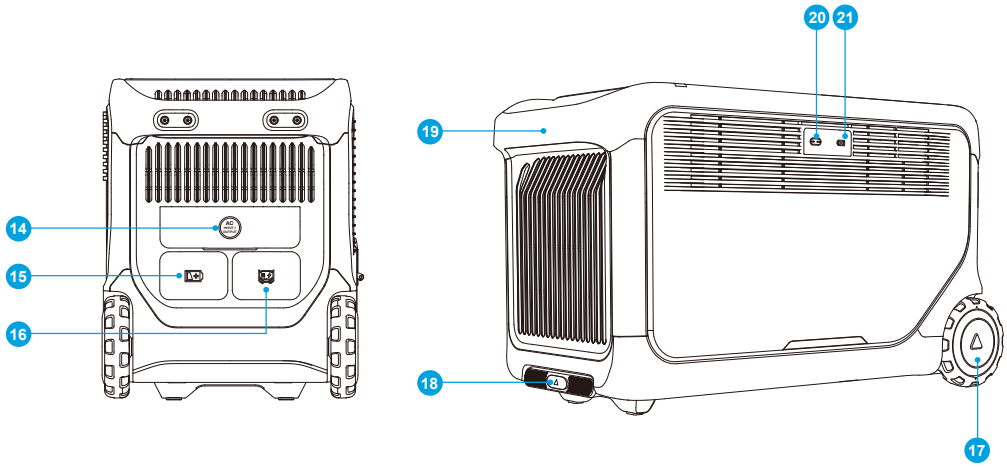


High-Voltage Solar Charging Cable

Documents

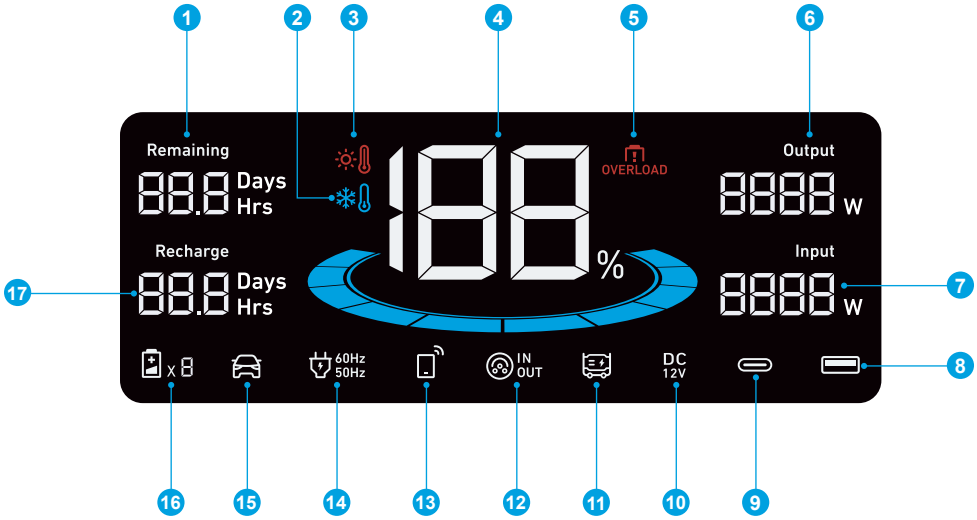
Overview





❶ Ambient Light	❷ Ambient Light Button	❸ Main Power Button
❹ Pinhole Reset	❺ IoT Button	❻ USB-C Output Port
❼ USB-A Output Port	❽ Car Socket Button	❾ Car Socket Port
❿ Anderson Port	⓫ AC Outlet Button	⓬ AC Output Ports
⓭ LCD Screen	⓮ AC Input/Output Port	⓯ Expansion Battery Port
⓰ DC Port	⓱ Wheel	⓲ Pull Rod
⓳ Handle	⓴ High-Voltage PV Input Port	㉑ Low-Voltage PV Input Port

LCD Screen Guide



❶ Estimated Battery Remaining Time

❷ Low-Temperature Alert

When this icon appears, stop using the power station until the icon disappears.

❸ High-Temperature Alert

When this icon appears, stop using the power station and let it cool down until the icon disappears.

❹ Battery Level

❺ Overload Warning

This icon appears when a port is overloaded. The port will turn off to avoid any damage. Please remove the device causing overload.

❻ Current Output Power

❼ Current Input Power

❽ USB-A Output Port

❾ USB-C Output Port

❿ DC Output Port

This icon lights up when the Car Socket Button is pressed.

⓫ DC Input Port

⓬ AC Input/Output Port

When the AC port detects input power, the icon displays "IN"; when the AC port detects output power, the icon displays "OUT".

⓭ IoT

Press the IoT button for 2 seconds and connect your devices through the app when this icon flashes on the screen.

⓮ AC Charging Frequency

⓯ Electrical Vehicle Charging

⓰ Number of Expansion Battery Connected

When the expansion battery is connected successfully, this icon appears on the screen.

⓱ Estimated Time to Full Charge

Turning On/Off the Power Station

Press the main power button for 3 seconds to turn your power station on or off. When the "Battery Level" icon shows on the LCD screen, your power station is ready to charge devices.
The power station will be turned off automatically if output buttons are switched off and no power loads are detected for 12 hours. The standby duration can be set in the Anker app.

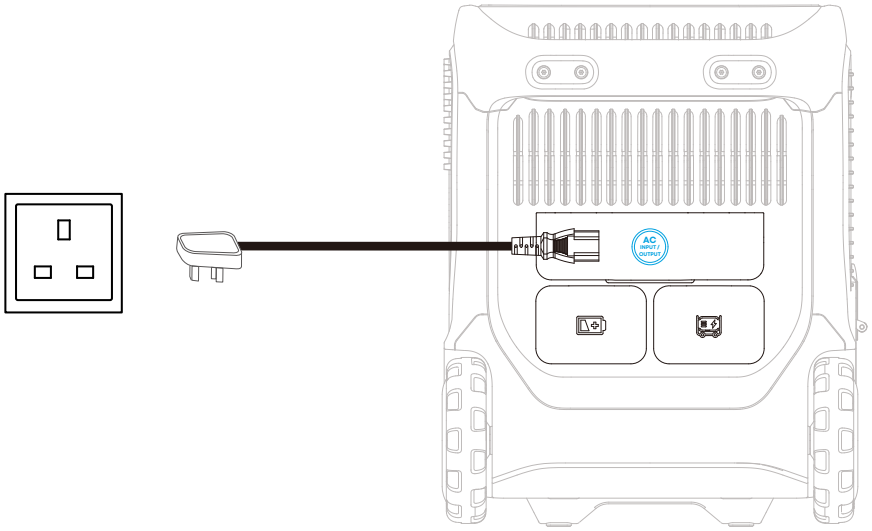
Recharging the Power Station

When your portable power station only has 1% battery remaining, the "Battery Level" icon will flash to remind you to recharge.
Note: The Anker SOLIX F3000 can be charged by AC and DC simultaneously for higher input power. The maximum input power for an individual Anker SOLIX F3000 is 3,600W. If you have an expansion battery to work with, the maximum input power is 6,000W.

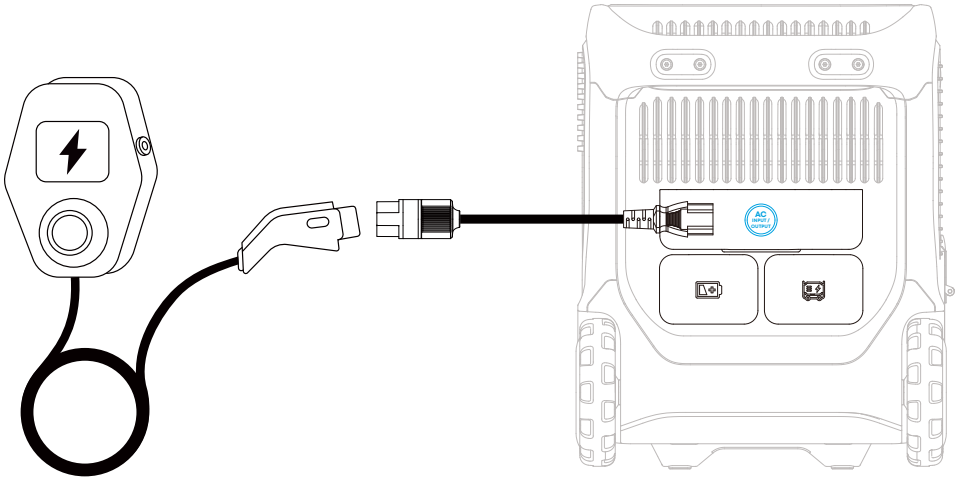
AC Recharging

When the power station is recharged via AC, the maximum AC input power is 3,600W.

Recharging via an AC Wall Outlet (230V ⎓ 13A, 2,990W Max)
Recharge the power station by connecting to a wall outlet with the AC charging cable.



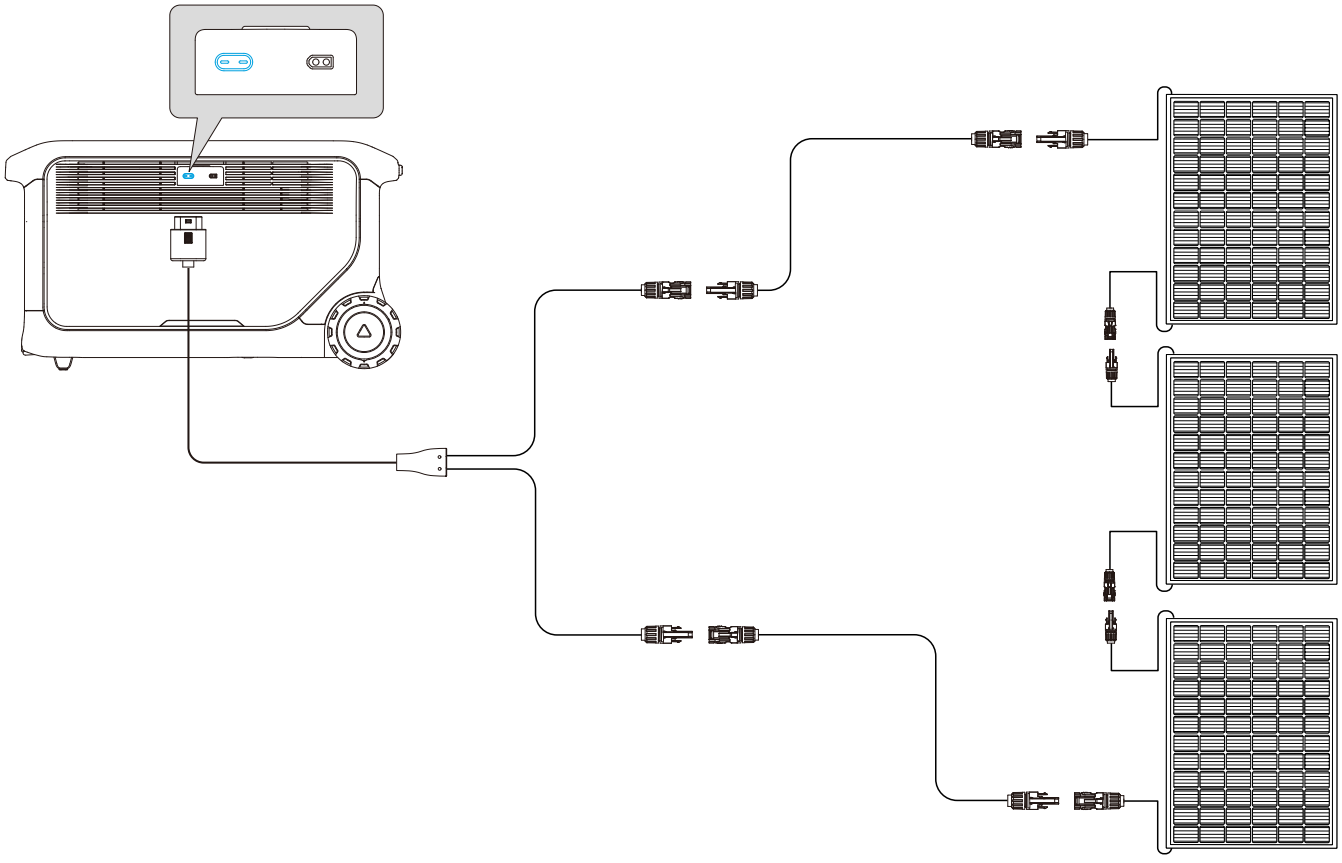
Recharging via an EV Charger (230V ▬ 18A, 3,600W Max)
Recharge the power station by connecting to the EV charger with Anker SOLIX EV Charging Adapter (not included).
Note: When Anker SOLIX EV Charging Adapter is connected, the AC output ports of the power station will be disabled.



DC Recharging

Solar Panel Recharging (2,400W Max)
The power station has a high-PV input port and a low-PV input port. Recharge the power station with a maximum solar input of 2,400W.

High-PV Input Port Wiring Diagram (11-165V ⎓ 17A Max, 1,600W Max)
The voltage range of the high-PV input port is 11-165V. Voltage exceeding 165V will damage the power station. Please make sure the total open-circuit voltage is within this range.

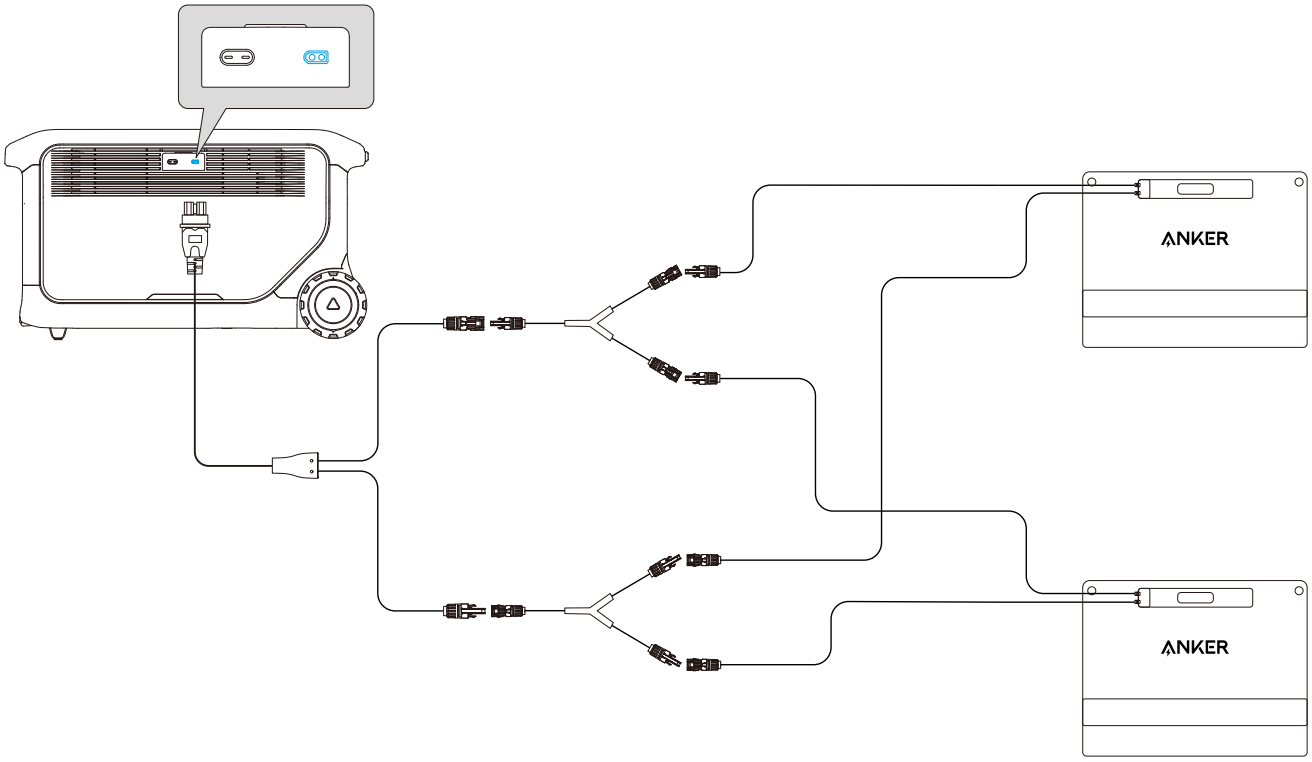


Low-PV Input Port Wiring Diagram (11-60V ⎓ 17A Max, 800W Max)

The voltage range of the low-PV input port is 11-60V. Please make sure the total open-circuit voltage is within this range.

Note:

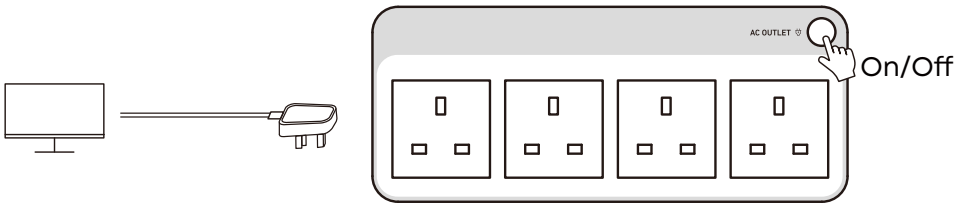
- The color of the low-PV input port is subject to the actual product.
- Ensure the total solar current is near 17A. If it exceeds 17A, the output power of the solar panel cannot be fully utilized.



Powering the Devices

AC Powering

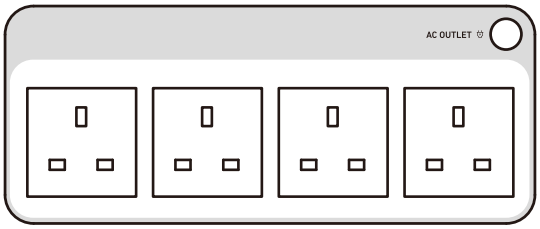
Press the AC outlet button and connect your devices to AC output ports of the power station.



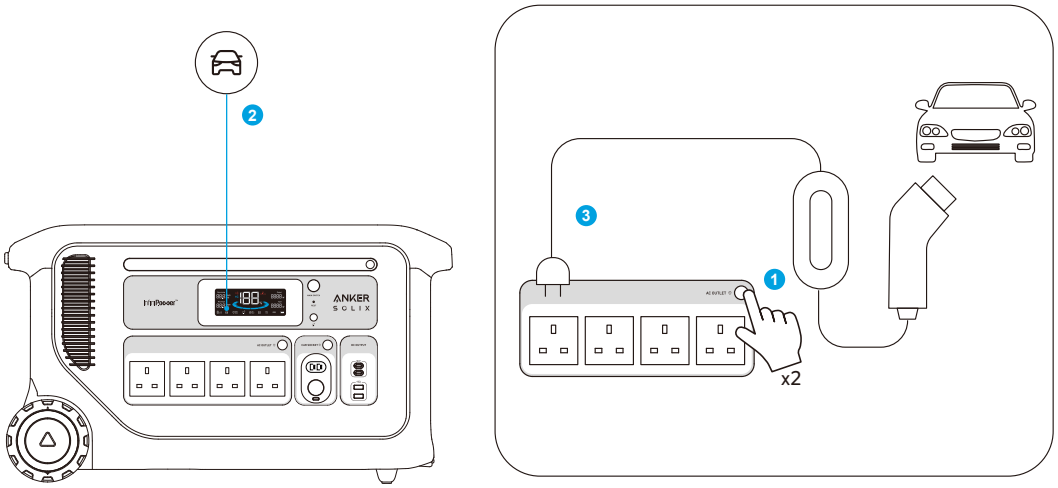
*Uninterruptible Power Supply (UPS)

An uninterruptible power supply (UPS) is a type of continual power system that provides automated backup power to the loads when the mains power fails.

Connect the power station to a wall outlet, then press the AC output button and connect your devices at the same time. In the event of a sudden loss of mains power, the power station will automatically power your devices with the stored power within 20 ms.

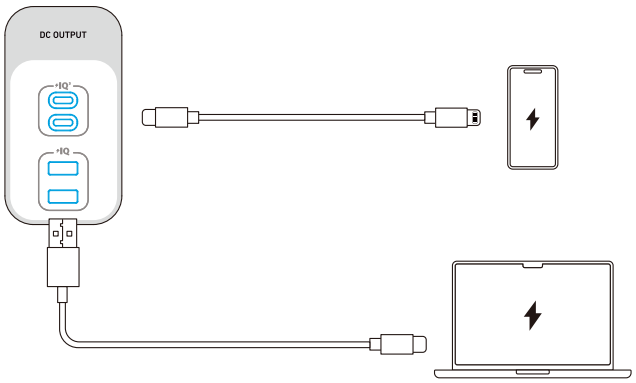


To use EV Charging mode, double-press the AC outlet button and wait for the car icon to appear on screen before connecting your device to the EV output port. Please note that when the power station is in EV Charging mode, you cannot use the AC outlet to charge your device. The maximum output power for the EV port is 2,990W.



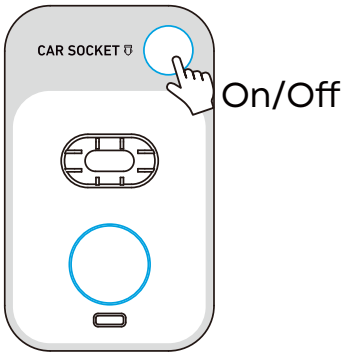
USB Ports Powering

Connect your devices to USB ports. If the output current of the USB port remains below 1W continuously for two hours, the USB charging will automatically stop to save power.



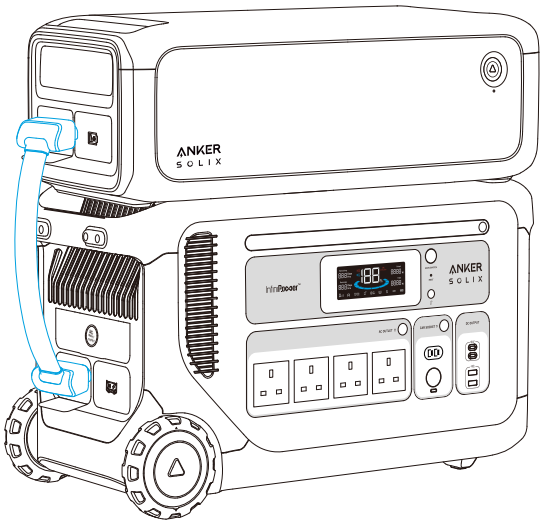
Car Socket Powering

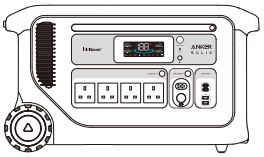
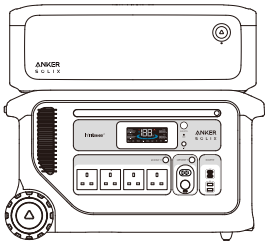
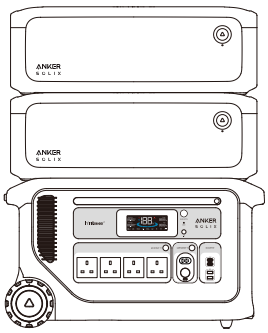
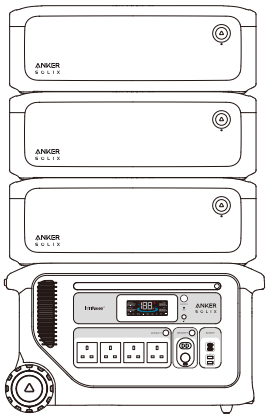
Press the car socket button and connect your devices to start charging. When the car socket port detects power below 3W for a continuous period of 5 hours, the charging will automatically stop.



Connecting with an Expansion Battery

You can purchase 1 to 3 Anker SOLIX BP3000 Expansion Batteries and connect them to the power station to increase the capacity up to 12,288Wh. Please refer to the user guide of Anker SOLIX BP3000 Expansion Battery for detailed instructions.



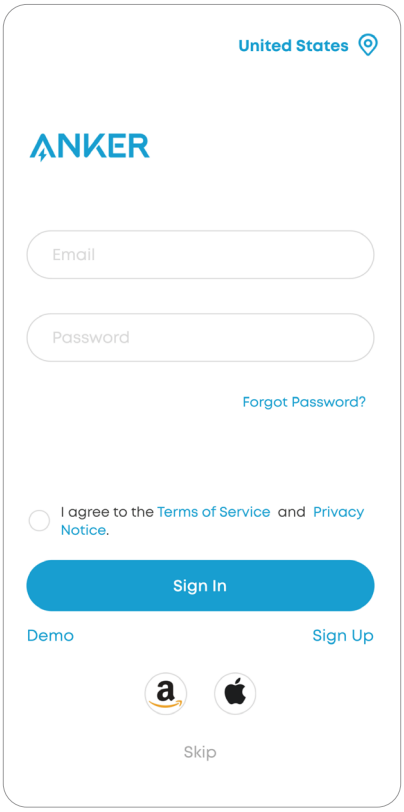
Anker SOLIX F3000 Portable Power Station				
Expansion Battery Module	0	× 1	× 2	× 3
Capacity	3,072Wh	6,144Wh	9,216Wh	12,288Wh

Using the Anker App

You can remotely control your power station using the Anker app.
Download the Anker app from the App Store (iOS devices) or Google Play (Android devices), or by scanning the QR code.

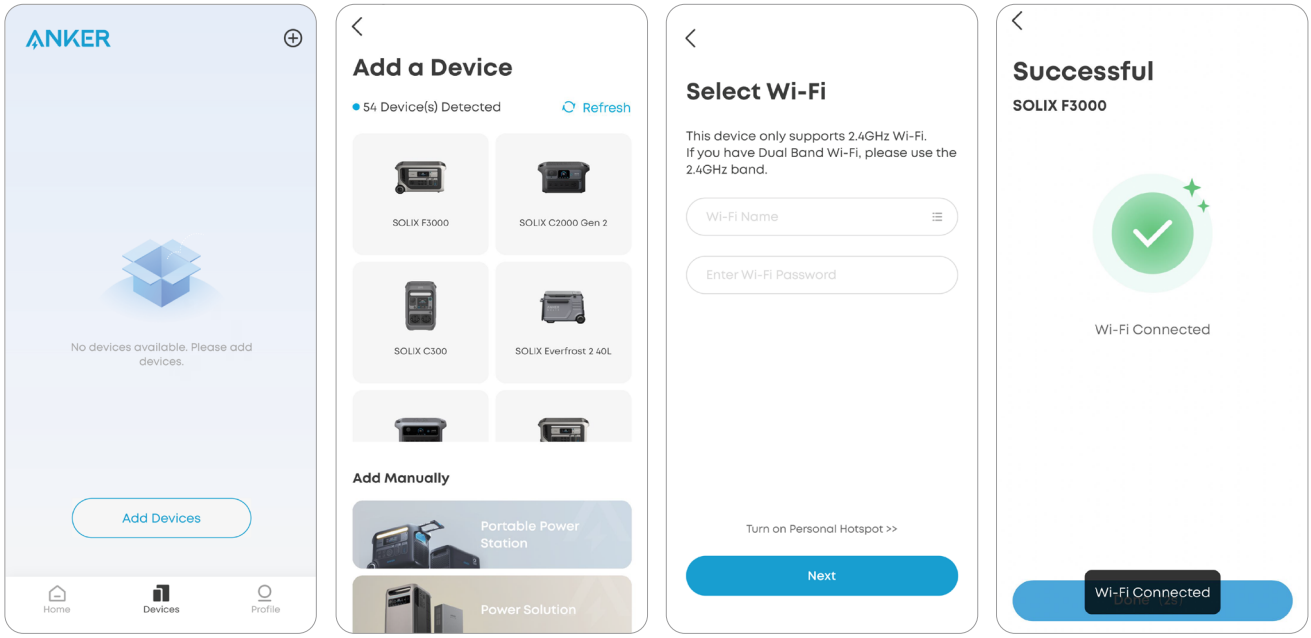
Sign Up / Sign In

Sign in or create an account. Please be reminded that the country or region must match your location. An incorrect setting may cause the device connection to fail.



Add Your Device to the App

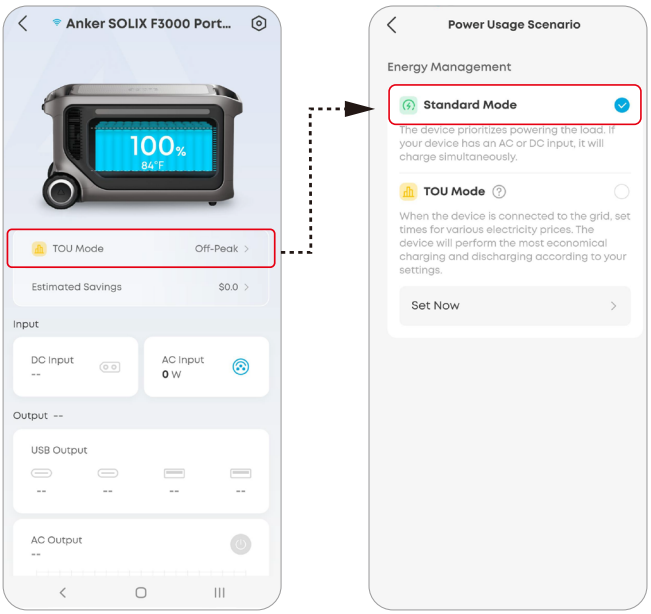
If you encounter connection issues, try the following:
· Ensure your Wi-Fi router supports 2.4 GHz.
· Move your router closer to the power station.
· Verify that the Wi-Fi password is correct.



Power Mode

Standard Mode

If no other mode is selected, the default is standard mode.



Time-of-Use (TOU) Mode

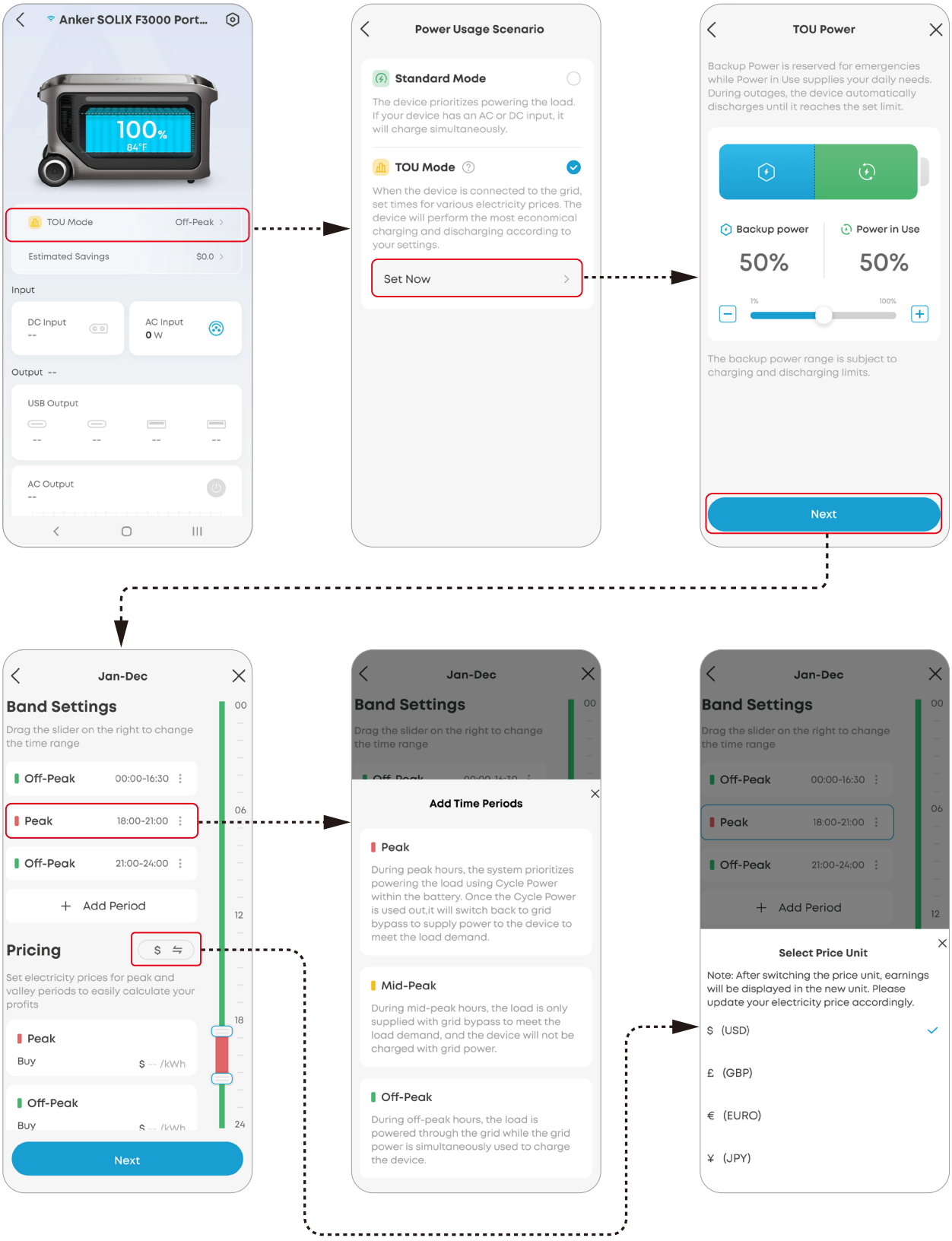
TOU mode saves your electricity costs by automatically scheduling charging and discharging based on fixed time periods and power rates. Set your own peak and off-peak time periods to optimize household energy use.

Requirement

Keep the power station connected to Wi-Fi and the grid.

Time Periods

Off-Peak Period	**Features:** · Electricity rates are at their lowest. · This period typically occurs at night or early morning when demand is low. **Operation:** · The station prioritizes charging its battery. · Both solar power and grid power can be used to charge the battery. · The battery supplies power only to DC loads. · AC loads are powered directly by grid power in bypass mode.
Mid-Peak Period	**Features:** · Electricity rates are moderate. · This period usually happens during early evening or midday when demand is average. **Operation:** · The battery is in a standby state, neither being charged nor discharging to AC loads. · The battery supplies power only to DC loads. · AC loads are powered directly by grid power in bypass mode.
Peak Period	**Features:** · Electricity rates are highest. · This period is usually during daytime hours when demand is high. **Operation:** · The battery discharges to power both AC and DC loads. · No battery recharging occurs during this period. · Once the battery is depleted, the station automatically switches to grid power to supply AC loads in bypass mode.



FAQ

1: What kind of solar panels can charge Anker SOLIX F3000 Portable Power Station?

When connected to the high-PV input port, the voltage of solar panels should be 11-165V, up to 17A (1,600W max). Voltage exceeding 165V will damage the power station.
When connected to the low-PV input port, the voltage of solar panels should be 11-60V, up to 17A (800W max). Voltage exceeding 60V will damage the power station.

2: How do I reset my power station?

If your power station is not working properly, insert a paper clip or pin into the reset hole while the power station is on. Hold it for 1 second to perform a factory reset. If the power station still doesn't work normally, please contact support@anker.com.

3: Can Anker SOLIX F3000 Portable Power Station be recharged via an EV charger?

Yes. You can charge the portable power station with a maximum power of 3,600W (230V ⎓ 18A) by connecting to the EV charger with the Anker SOLIX EV Charging Adapter.

4: How should I store Anker SOLIX F3000 Portable Power Station?

- Turn off all outputs and disconnect all cables when not in use to avoid battery power loss.
- Store in a dry and cool area.
- If the power station will not be used for an extended period, fully charge it to 100% at least once every three months.

Specifications

Rated Cpacity	60,000mAh/3,072Wh
Nominal Voltage	51.2Vdc
AC Input (Grid Charging)	230V ⎓ 13A Max, 50-60Hz, 2,990W, L+N+PE
AC Input (EV Charging)	230V ⎓ 18A Max, 50-60Hz, 3,600W Max, L+N+PE
High-PV Input	11-165V ⎓ 17A Max (1,600W Max)
Low-PV Input	11-60V ⎓ 17A Max (800W Max)
DC Port	60V ⎓ 120A Max
USB-C Output	5V ⎓ 3A / 9V ⎓ 3A / 15V ⎓ 3A / 20V ⎓ 3A / 20V ⎓ 5A (100W Max Per Port)
USB-A Output	5V ⎓ 2.4A (12W Max Per Port)
AC Output	230V ⎓ 13A Max, 50Hz, 2990W Max (Total Power 3600W), L+N+PE
AC Output (Bypass)	230V ⎓ 12.8A Max, 50Hz, 2,944VA / 2,944W Max (Total Power 2,944W), L+N+PE
Car Socket Output	12V ⎓ 10A
Anderson Port	13.4V ⎓ 30A
Discharging Temperature	-20°C to 40°C
Charging Temperature	0°C to 40°C

AC Power Usage Scenario

Charging Method			Grid	EV Charger
Input Voltage			230V	230V
Bypass Mode			Supported	Not Supported
Recharging Power			2,990W	3,600W
AC Output Ports	Tap the AC output button	EV output port	Yes	No Output
		AC output ports	Yes	No Output
	Double tap the AC output button	EV output port	Yes	No Output
		AC output ports	No Output	No Output