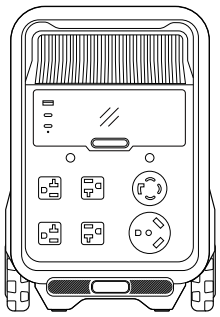
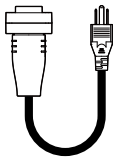
What's in the Box
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Wall Outlet Recharging (1,800W Max)
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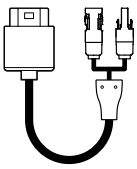
What's in the Box



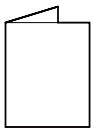
Anker SOLIX S5000 Portable Power Station



120V AC Charging Cable

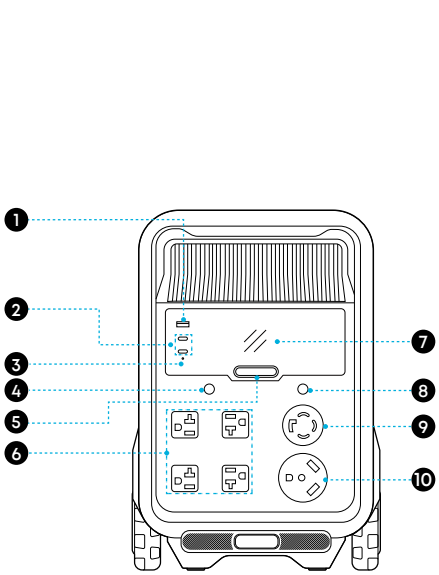


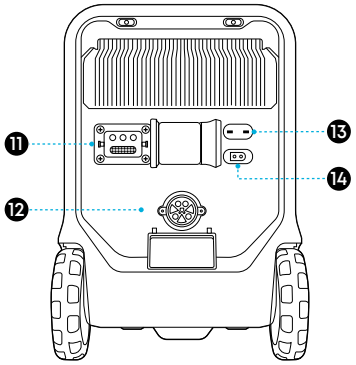
High-Voltage Solar Adapter

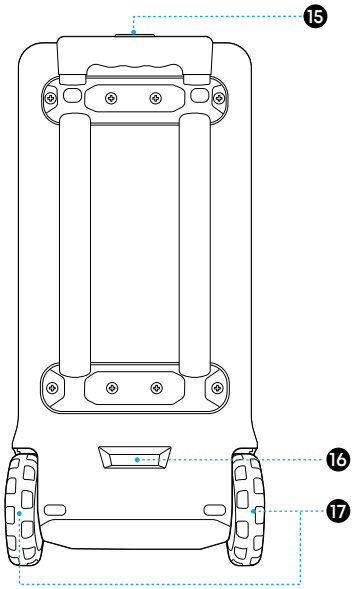


Documents

Product Overview





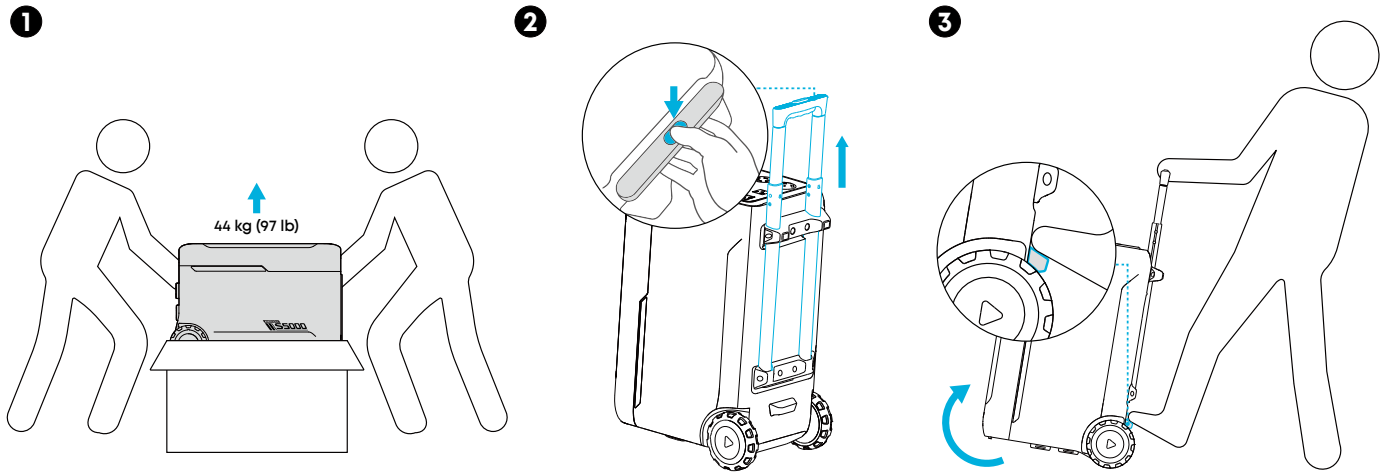


1 USB-A Port
2 USB-C Port
3 Reset Hole
4 120V AC Output Button
5 Main Power Button
6 NEMA 5-20R AC Output Port
7 LCD Screen
8 240V AC Output Button
9 L14-30R AC Output Port
10 TT-30R AC Output Port
11 DC Input Port / Expansion Battery Port
12 AC Input Port
13 High-PV Input Port
14 Low-PV / Alternator Charger Input Port
15 Telescoping Handle
16 Foot Pedal
17 Wheels

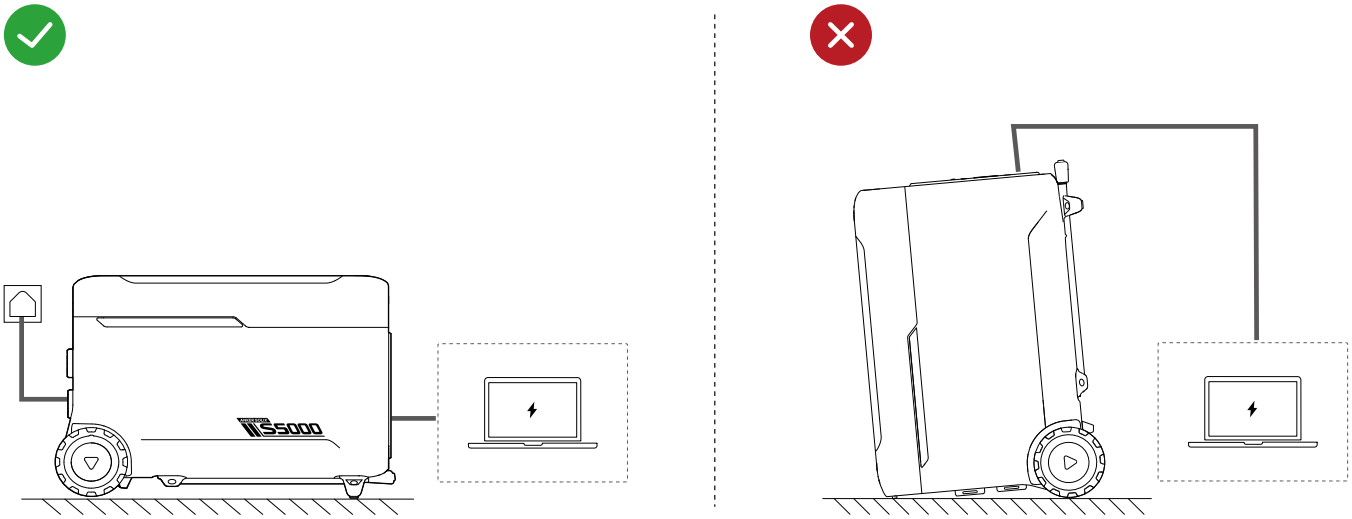
Move the Power Station

Lower or lift the power station gently to avoid impact.

1. Have another person assist when removing the unit from the package or moving it on uneven surfaces.
2. Press the button to extend the telescoping handle.
3. Move the power station on its wheels.

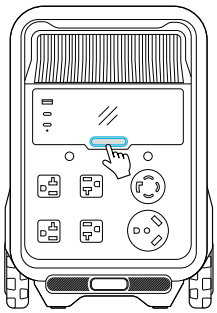
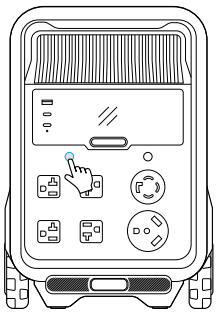
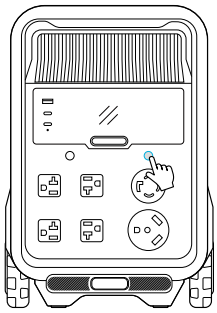
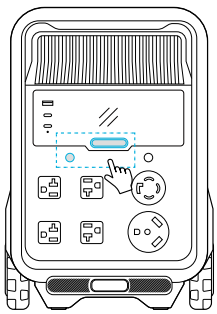


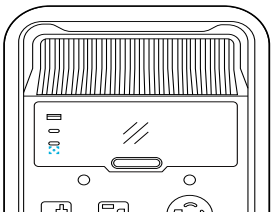
Keep the power station horizontal while charging or discharging. Standing it upright may allow dust or water to enter and damage the unit.



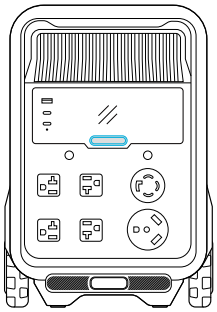
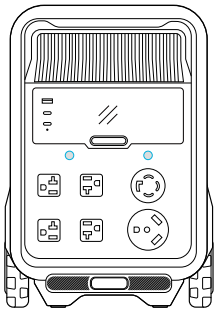
Button Guide

Button Controls

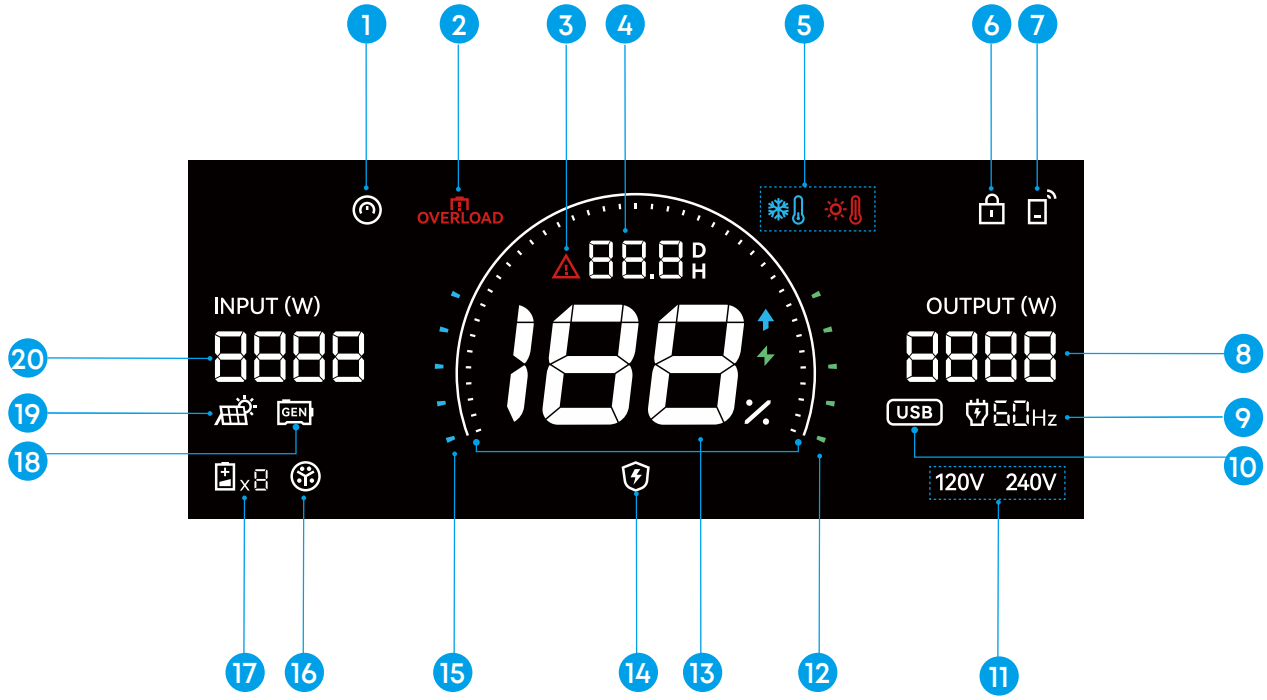
Button	Action	Function
	Press and hold for 3s	Power on/off
	Press briefly	Screen on/off
	Press briefly (during Bluetooth pairing)	Bluetooth authentication
	Press and hold for 7s (while powered off) ***Note:** Hold until the button indicator flashes rapidly, then release to confirm.	Reset Wi-Fi and disconnect Bluetooth.
	Press briefly	Turn 120V AC output on/off
	Press and hold for 3s	Enable Fast Charging Plan ***Note:** Once enabled, the power station will be fully charged regardless of the preset charging limit or AC recharging limit. Unlike enabling from the app, the power station exits Fast Charging Plan automatically once the battery reaches 100% or 24 hours have elapsed.
	Press briefly	Turn 240V AC output on/off
	Press and hold the 120V AC Output Button, then quickly press the Main Power Button 3 times	IoT on/off
	Briefly press the 120V AC Output Button and the Main Power button at the same time.	Child Lock on/off

	Insert a paper clip or pin into the reset hole for 1s	Reset the unit ***Note:** Resets user-defined settings only. IoT connection settings are not affected.

Button Indicators

Button	Action	Function
	Solid on	Unit is powered on
	Off	Unit is powered off
	Slow blinking	Awaiting Bluetooth authentication
	Fast blinking	Log upload in progress
	Solid on	120V/240V AC output is on
	Off	120V/240V AC output is off
	Blinking	120V/240V AC output fault detected

LCD Screen Guide



1. Automatic Correction of Battery Level

If a charging/discharging limit is set, the power station will fully recharge to 100% after 720 hours of operation, regardless of mode or status. This calibrates the battery level. Once fully charged, the power station will return to the state or mode it was in prior to recharging.

2. Overload Warning

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

3. Error Code

4. Estimated Time to Charge / Discharge

5. High-Temperature / Low-Temperature Alert

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

6. Child Lock

This icon lights up when child lock is enabled.

7. Wi-Fi / Bluetooth Connection Status

8. Current Output Power

9. AC Output Icon

This icon lights up when the AC output button is pressed.

10. USB Output Icon

11. AC Output Voltage

12. Charge Upper Limit

The upper limit can be set between 80% and 100% in the app.

13. Battery Level

14. Backup Mode Icon

After enabling Backup Mode (Storm Guard or Fast Charging Plan), the mode icon appears only when Backup Mode is actually activated (i.e., when the unit begins automatic backup charging ahead of a disaster).

15. Discharge Lower Limit

The lower limit can be set between 1% and 20% in the app.

16. AC Input Port Connected

17. Number of Expansion Batteries Connected

18. Smart Generator Connected

This icon lights up when the power station is connected to Smart Generator 5500.

19. PV Module / Alternator Charger Connected

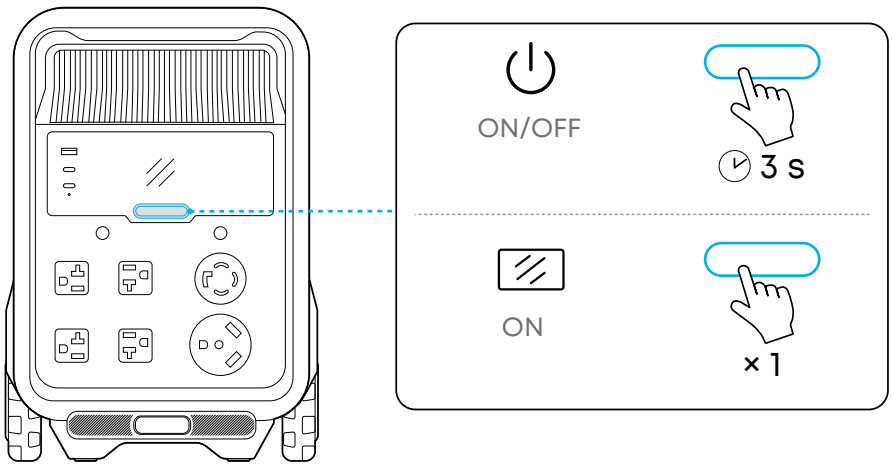
20. Current Input Power

Powering On / Off

Power On / Off: Press and hold the Main Power button for 3 seconds. Your power station is ready to charge devices once the “Battery Level” digits show on the LCD screen.

Turn On / Off Screen: Press the Main Power button once to turn on or turn off the screen.

- The screen will be turned off automatically after 30 seconds of lighting up. The auto-off time can be set in the Anker Power app.
- The default standby duration of the power station is 12 hours, which can be set in the Anker Power app.

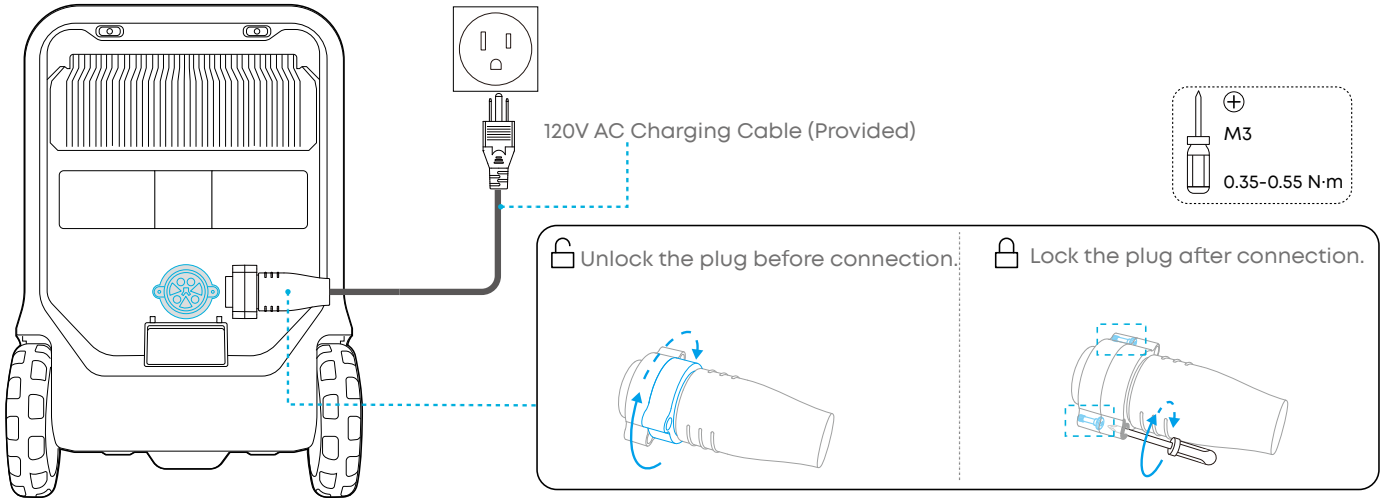


Recharging the Power Station

Wall Outlet Recharging (1,800W Max)

Recharge the power station by connecting to a wall outlet with the provided AC charging cable.

⚠	For safety and optimal performance, use the original cable only.

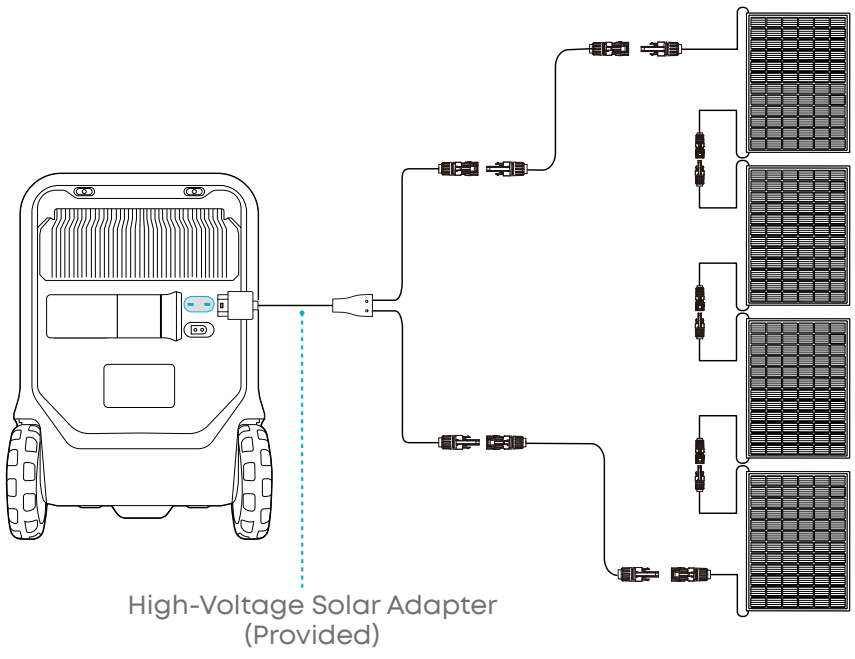


Solar Panel Recharging (3,000W Max)

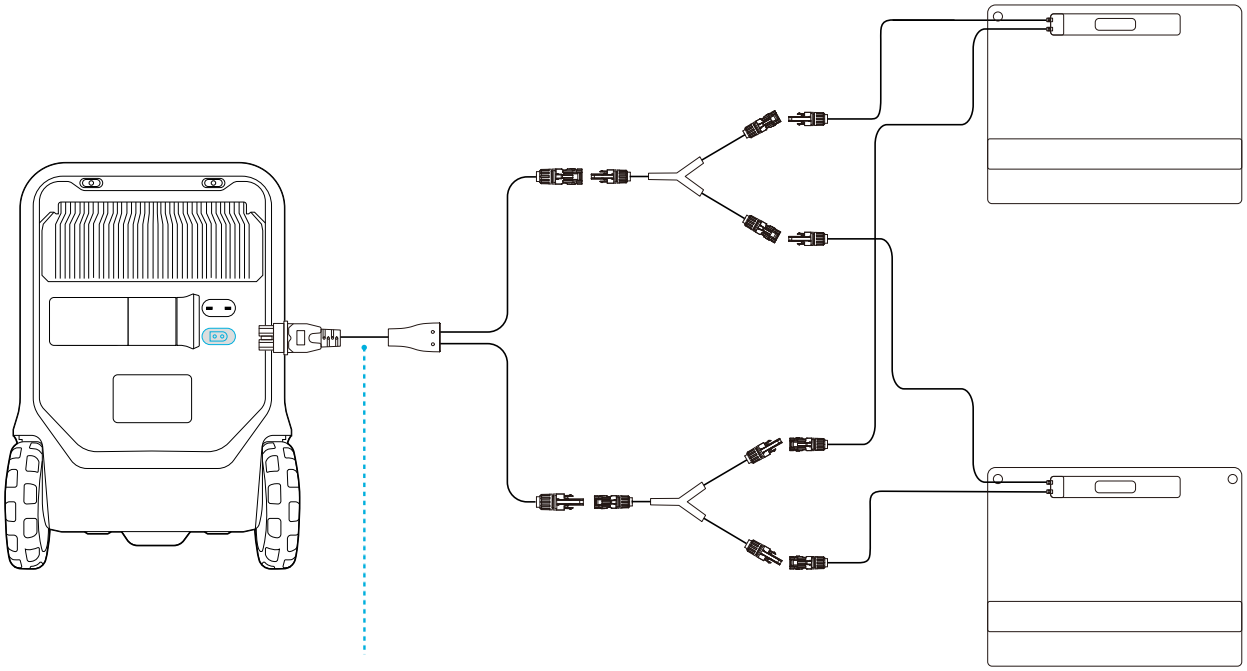
💡	The solar panels, the low-voltage solar adapter (XT60i), and the solar panel extension cables need to be purchased separately.

⚠	Do not connect solar panels that exceed the rated voltage of the PV input port.

High-PV Input Port Wiring Diagram (16-165V⎓17A Max, 2,000W Max)



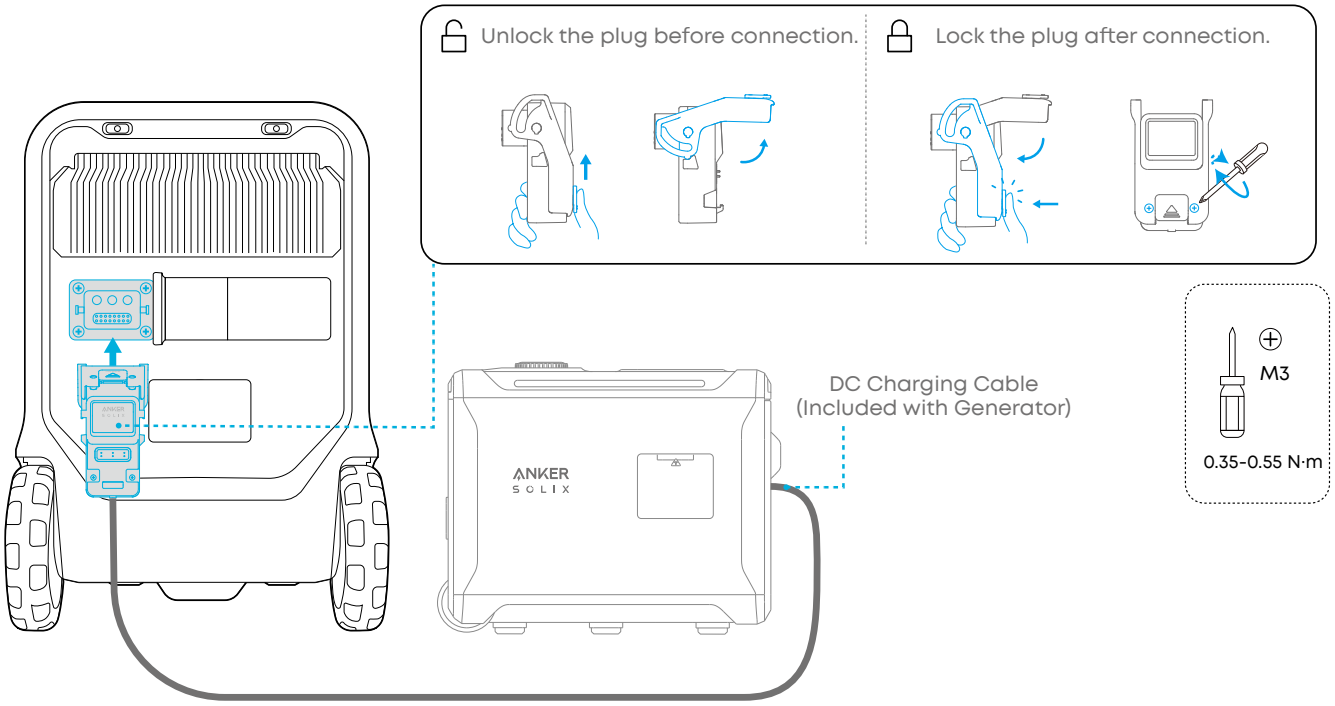
Low-PV Input Port Wiring Diagram (11-60V⎓ 17A Max, 1,000W Max)



Generator Recharging (4,500W Max)

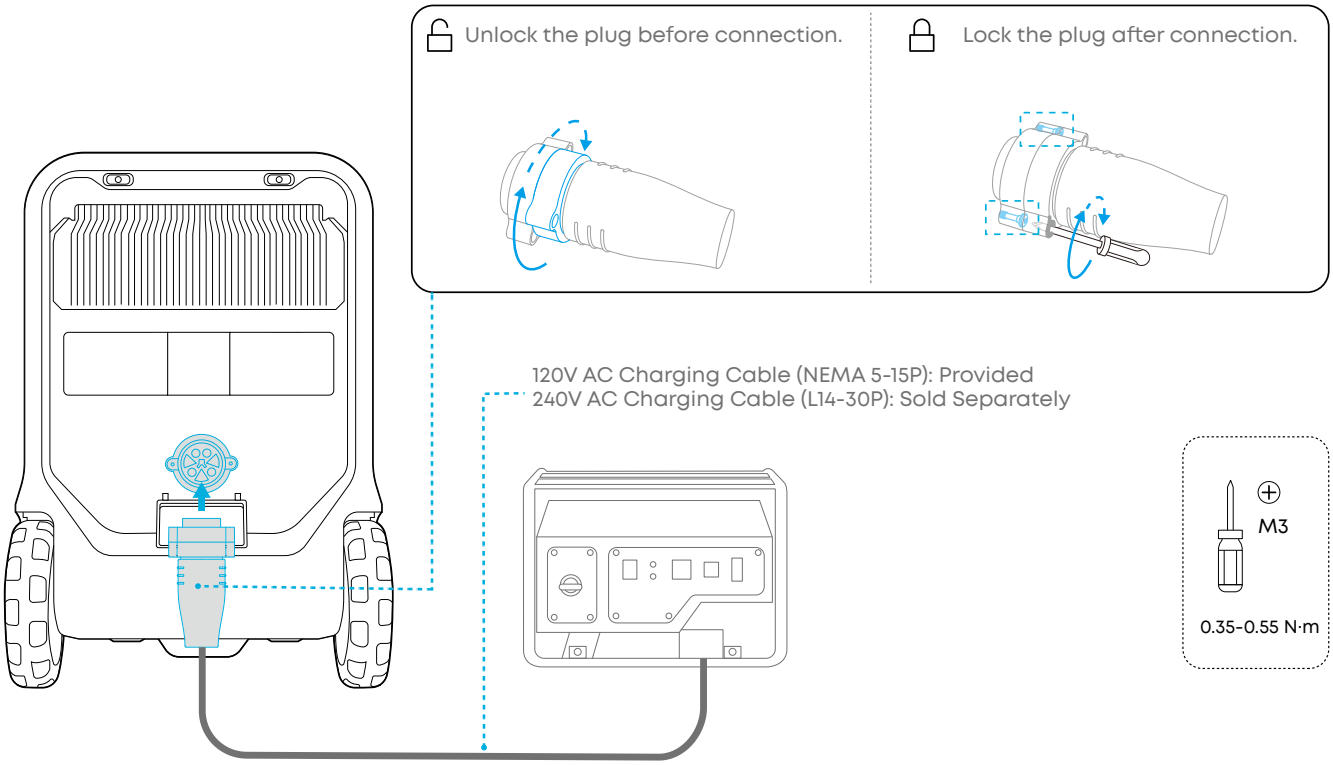
Via Anker SOLIX Smart Generator 5500

Recharge the power station by connecting to the DC output port of the generator using the DC Charging Cable included with the generator.



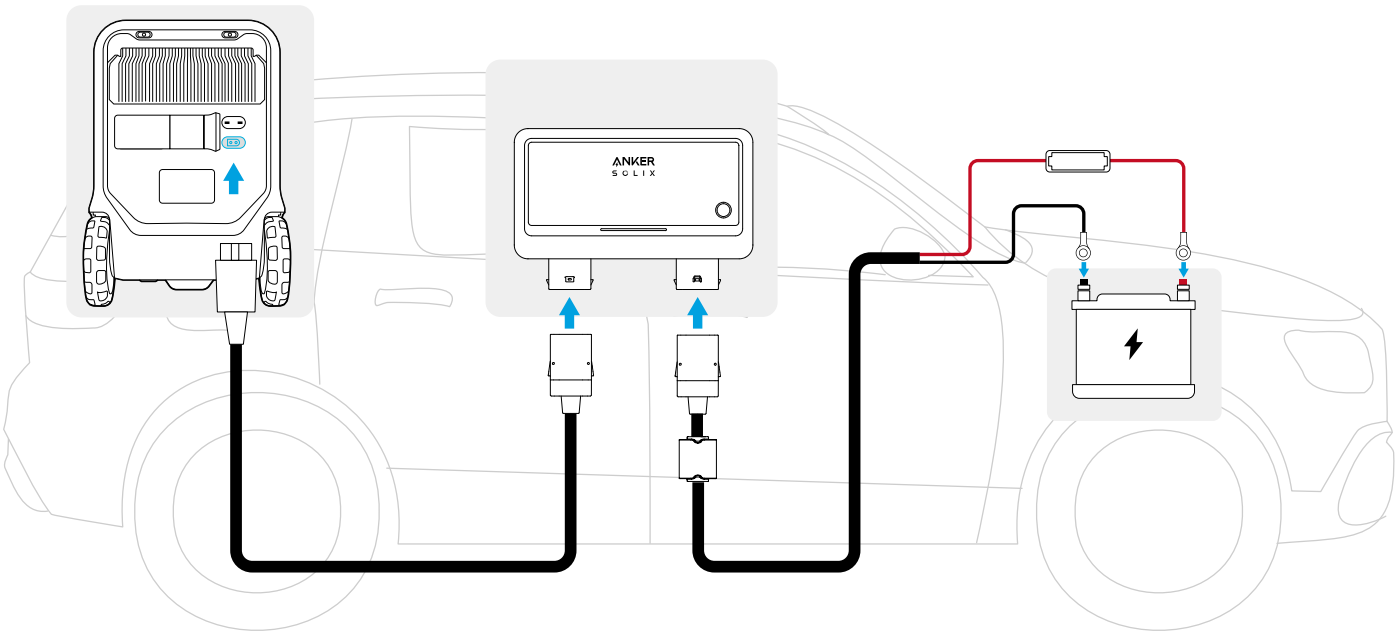
Via Third-Party Generator

Recharge the power station by connecting to the AC output port of the generator with AC Charging Cable.



Alternator Recharging (800W Max)

Recharge the power station by connecting the Anker SOLIX Alternator Charger.



Powering Your Devices

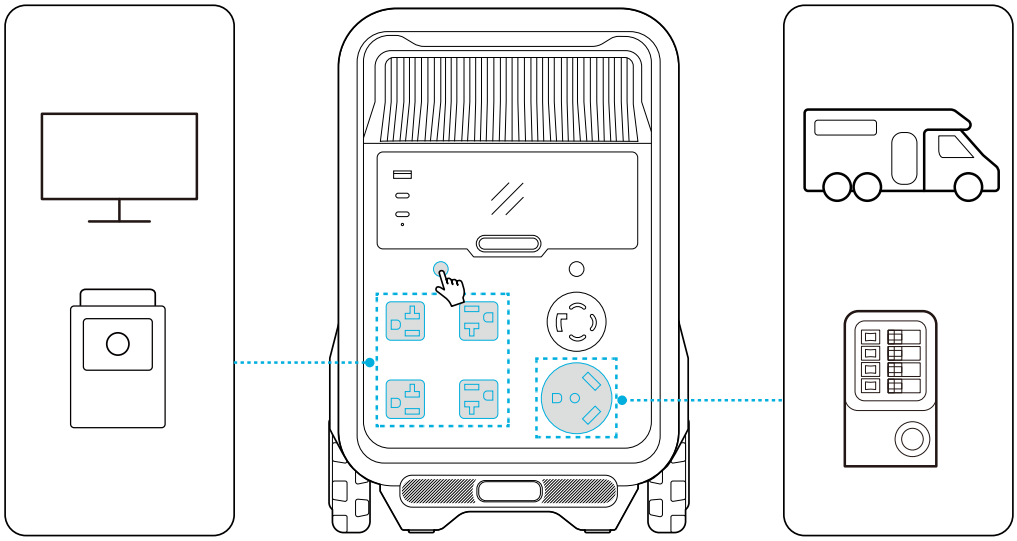
Powering Via AC

- Do not plug in or unplug cables with the AC output on.
- Do not connect devices requiring different voltages at the same time. The output ports do not support simultaneous 120 V and 240 V output.

120V AC Output

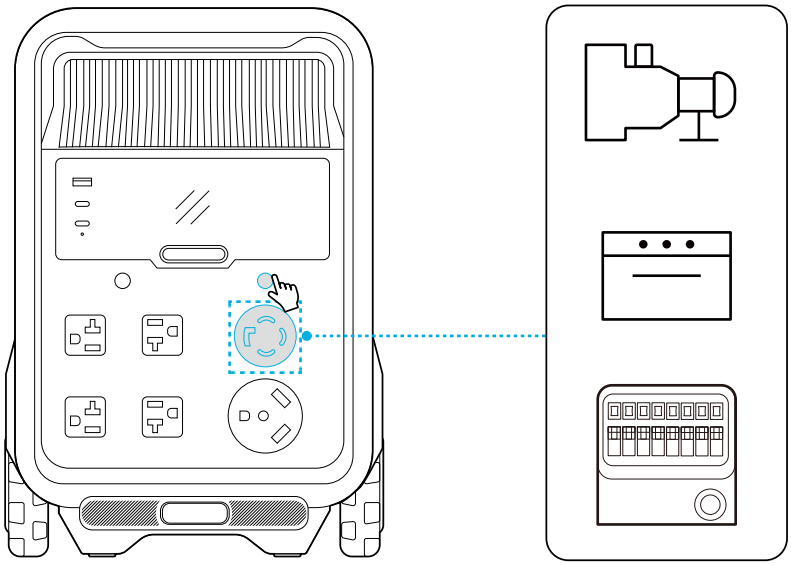
Connect your devices to NEMA 5-20R/TT-30R output ports of the power station and press the 120V AC output button.

Note: The power station uses a floating-neutral design. Make sure the power station is properly grounded before connecting it to an RV via the TT-30R port.



240V AC Output

Connect your devices to the L14-30R output port of the power station and press the 240V AC output button.



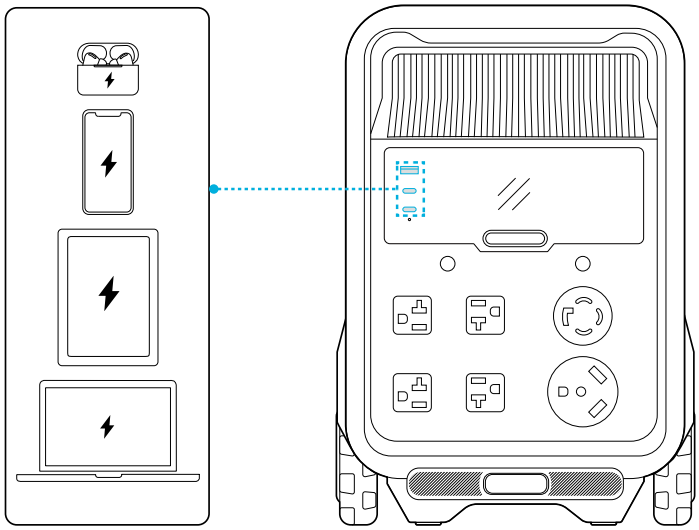
SurgePad™

The power station supports the SurgePad™ feature for up to 6,000W AC output.

- SurgePad™ automatically turns on when the total output exceeds the rated output, allowing the power station to deliver power to high-wattage devices.
- SurgePad™ does not function in bypass mode (when the power station is being charged with the AC power).
- SurgePad™ works better with devices that generate heat, but does not support precision instruments and other devices that have voltage protection or strict voltage requirements. To see if SurgePad™ works with your high-wattage devices, try powering them with the power station.

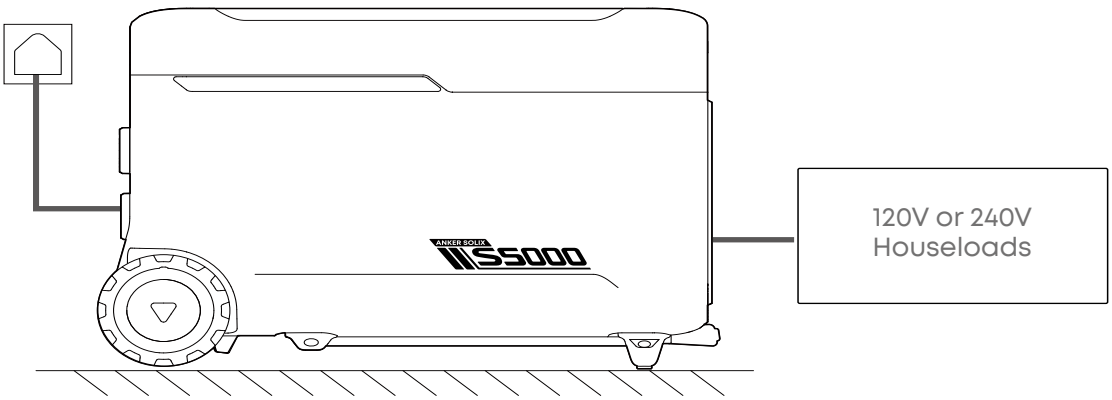
Powering Via USB

Connect your devices to USB ports.



Uninterruptible Power Supply (UPS)

To use the UPS feature, connect your power station to a wall outlet with the provided AC charging cable, then press the AC output button and connect your devices via the AC output ports. The power station acts as a standby UPS with a transfer time of 10 ms.



Connecting with Expansion Battery

You can purchase 1 to 5 Anker SOLIX BP5000 Expansion Batteries and connect them to the power station to increase the capacity up to 30,144Wh. Please refer to the user guide of Anker SOLIX BP5000 Expansion Battery for detailed instructions.

Using the App

- You can remotely control your power station using the Anker Power app.
- The information below may not list all of the features available on the Anker Power app. To ensure access to new and improved features, download updated versions of the app as they become available.

Adding the Device

1. Download the Anker Power app from the App Store (iOS devices) or Google Play (Android devices), or by scanning the QR code.





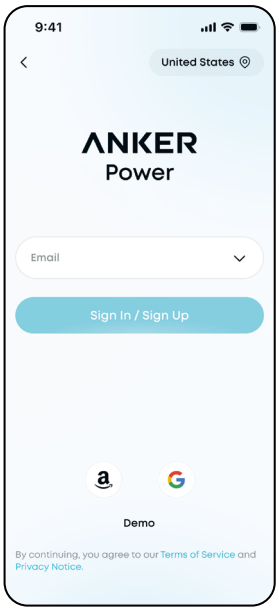


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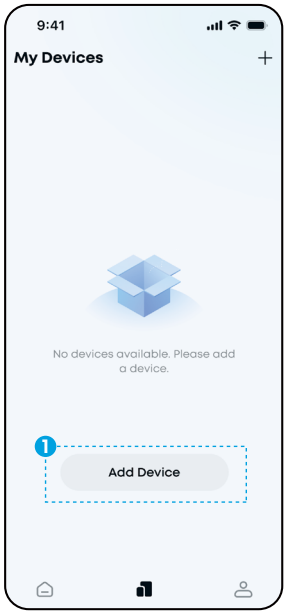


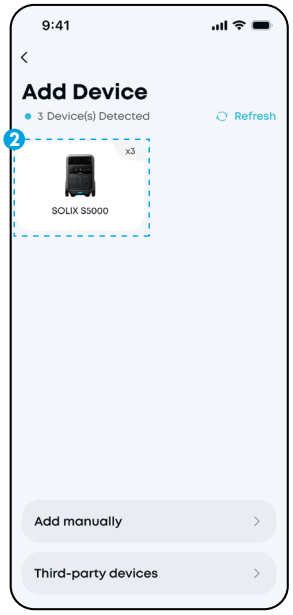
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2. Sign in or create an account. Please be reminded that the country or region must match where you live. An incorrect country or region may cause the device connection to fail.

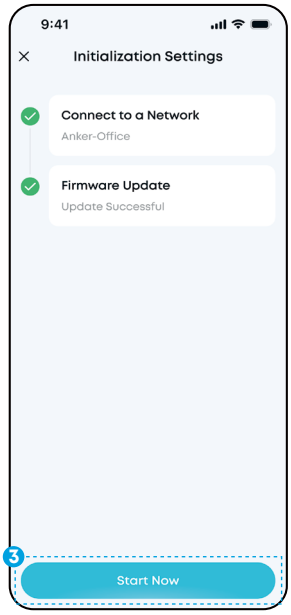


3. Follow the in-app instructions to add S5000.



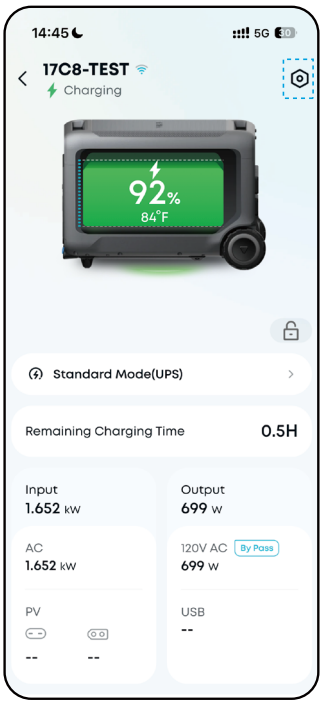


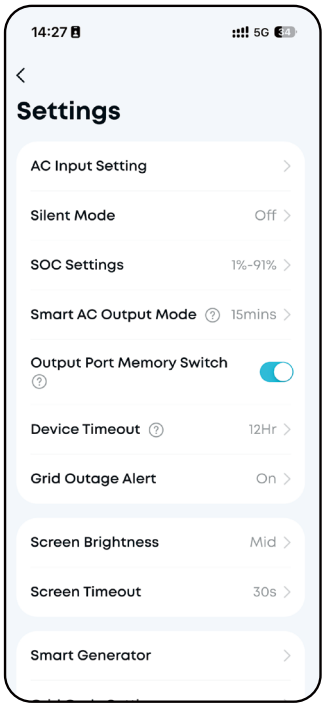




Setting Up

On the home screen, tap the settings icon in the top-right corner to configure certain features.

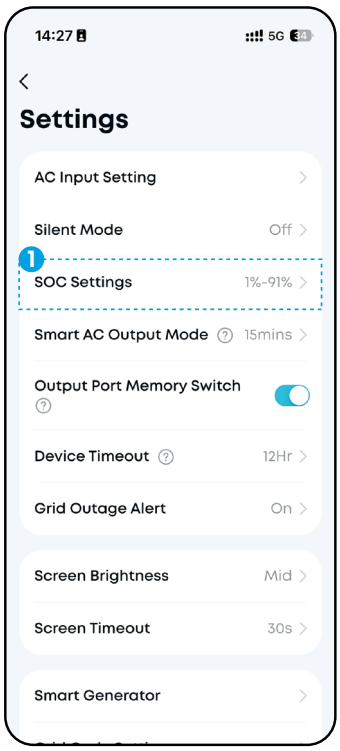


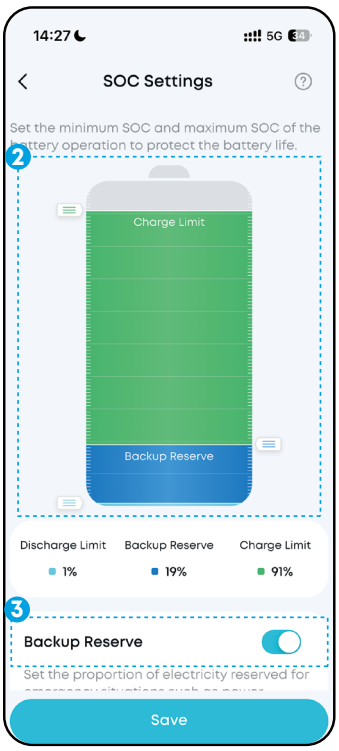


SOC Settings

Set the upper charging limit, backup reserve and lower discharging limit of the power station by dragging the slider.

Charge Limit	Once the selected upper charging limit is reached, the recharging will automatically stop.
Backup Reserve	• If you prefer to open more capacity for Time-of-Use mode, you can set a lower reserve percentage. • If you prefer to reserve more energy for use during a grid outage, or if your area is more prone to outages, you can set a higher reserve percentage.
Discharge Limit	When charging a device by power station, it will stop once the selected lower discharging limit is reached. This feature allows the battery to improve performance.

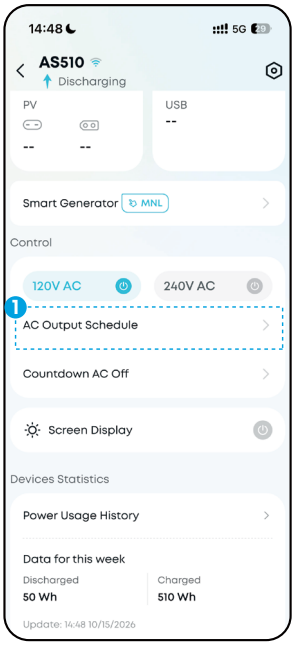


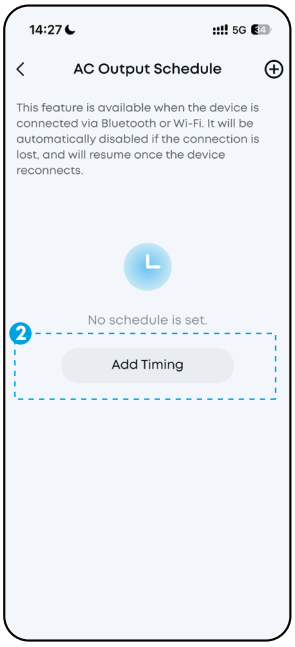


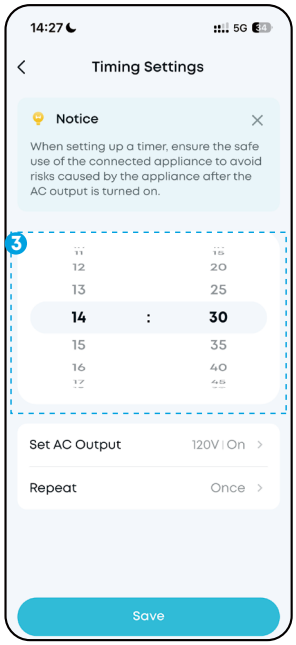
AC Output Schedule

Set a timer to automatically turn AC output on or off at a scheduled time.

1. On the home screen, select "AC Output Schedule".
2. Tap "Add Timing".
3. Set the desired time, AC Output Voltage (120V/240V), AC output state (On/Off), and repeat frequency. Then tap "Save".





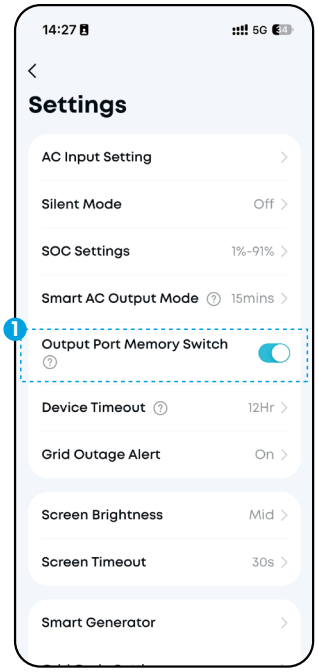


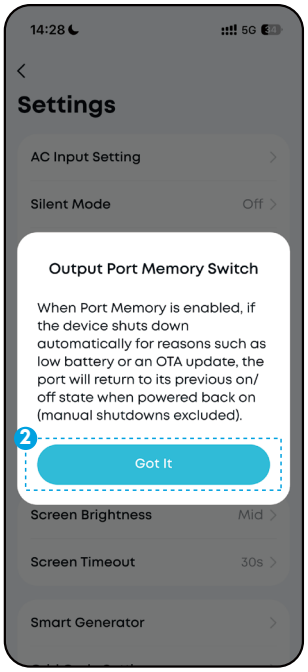
Output Port Memory

The output port memory switch can be turned on or off in the app.

On: If the power station is powered off due to abnormal operating conditions or low battery level, it will automatically memorize the on/off status of AC output. When the power station is recovered to a normal condition or recharged to the State of Charge (SOC) lower limit plus 10%, the on/off status of AC output ports will be restored.

Off: The power station will not automatically memorize the on/off status of AC output.





Smart Generator

Auto Start-Stop

When this feature is enabled, the smart generator automatically starts or stops charging the power station at preset thresholds.



- Generator exhaust contains carbon monoxide, a colorless, odorless, poisonous gas. Breathing carbon monoxide will cause nausea, dizziness, fainting or death.
- Only use the smart generator outdoors and far away from windows, doors, and vents.
- Never use the generator in the home or in partly enclosed areas such as garages.

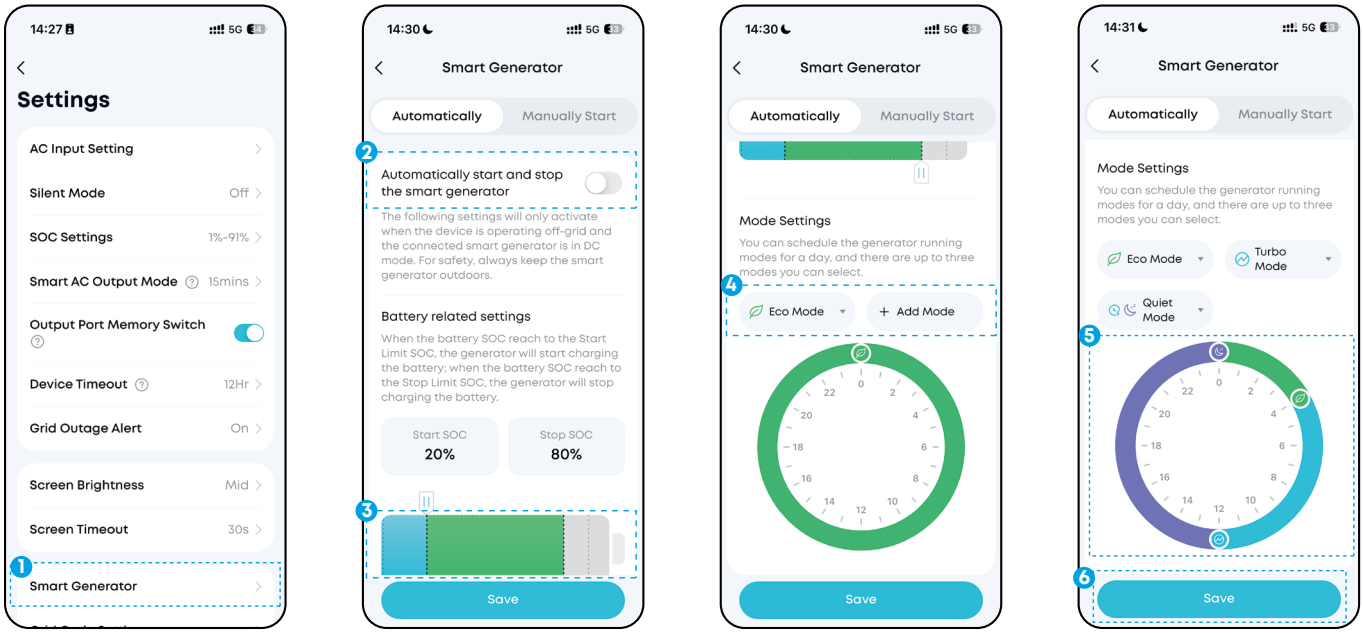


- Required components: Power Station S5000+ Smart Generator 5500 (connected via the DC charging cable).
- Add both devices to the Anker Power app via Bluetooth or Wi-Fi.
- Set the smart generator to DC mode and ensure the system is off-grid.
- Check that fuel and engine oil are sufficient for operation.
- Verify that the starter battery shows at least three bars of charge.

How It Works

The system automatically adjusts power flow between solar, battery, and grid to optimize energy usage.

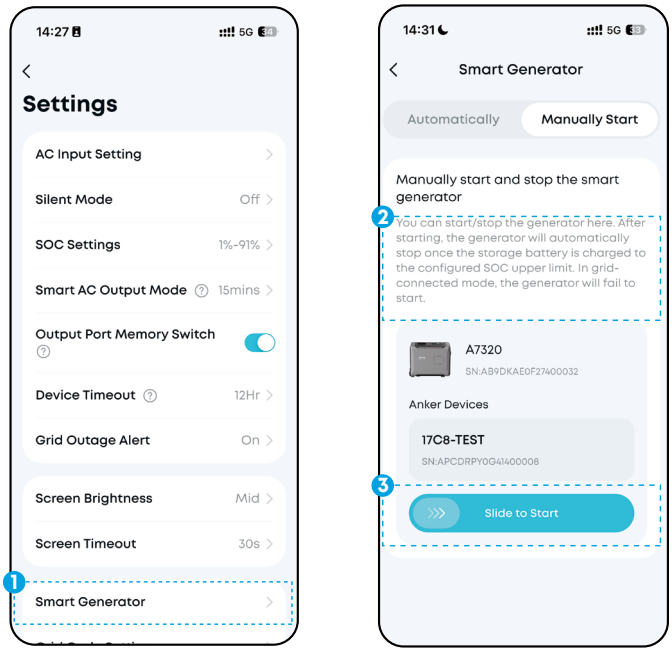
Automatically start and stop the smart generator	• Enable the auto start-stop feature of the smart generator. • If you manually start or stop the smart generator using the app or the generator button, auto start-stop mode is deactivated. Enable the feature again in the app to reactivate automatic control.
Start Limit SOC	When the battery SOC drops below the start limit SOC, the smart generator starts charging the battery.
Stop Limit SOC	When the battery SOC rises above the stop limit SOC, the smart generator stops charging the battery.
Mode Settings	Define how the smart generator operates after startup by selecting an operation mode and active time. • Turbo Mode: Provides maximum power for high-demand loads. • ECO Mode: Reduces fuel consumption and noise during operation. • Quiet Mode: Runs with minimal noise and reduced power output.



Manual Start-Stop

Manually start and stop the smart generator in the app.

Required components: Power Station S5000+ Smart Generator 5500 (connected via the DC charging cable).

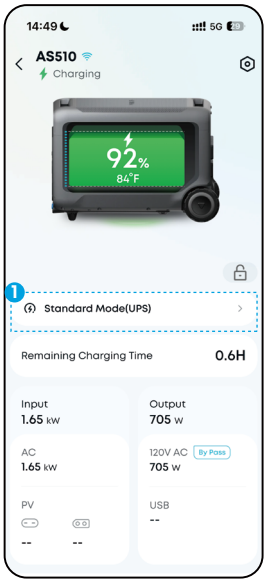


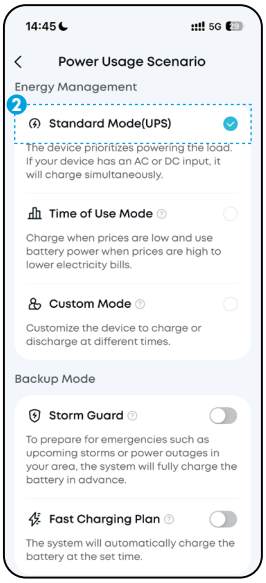
Selecting Operation Mode

Choose how the power station manages energy through the following modes to meet your power needs.

Standard Mode (UPS)

Standard Mode (UPS) is the default operating mode. The device prioritizes powering the connected load while charging simultaneously via AC or DC input when available. In case of a sudden blackout, the device will switch to battery power to keep connected devices running without interruption.





Time-of-Use (TOU) Mode

Set time-of-use periods for automatic power scheduling to minimize costs. The power station will schedule its battery charging and discharging depending on the period settings.

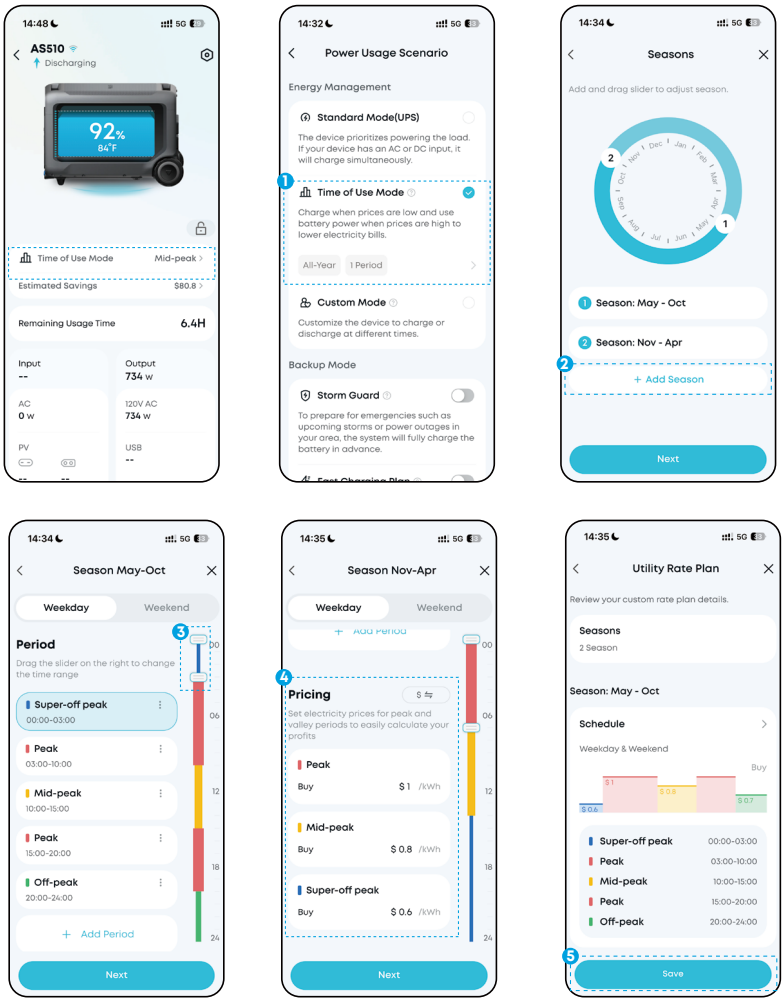
Under this mode:

- If the power station's state of charge (SOC) is below the Backup Power level, the power station will function the same as the Standard Mode.
- If the SOC is higher than the Backup Power level, the power station will adopt different power use strategies in different TOU periods.

Period	Strategy
On-Peak	Highest rates; usually daytime. · Solar powers home loads first; surplus solar charges the battery. · If solar is insufficient, the battery discharges to supply home loads.
Mid-Peak	Moderate rates; usually early evening or midday. · Solar powers home loads first; surplus solar charges the battery. · If solar is insufficient, the battery discharges to supply home loads.
Off-Peak	Low rates; usually night or early morning. · Solar powers home loads; the battery supplements as needed, down to the set discharge limit. · The grid does not charge the battery.
Super Off-Peak	Lowest rates; usually late night or early morning. · Solar charges the battery; if solar is insufficient, the grid also charges the battery. · The battery does not discharge. · The system targets a full charge before this period ends.

How to Set Up:

1. Select “Time of Use Mode”.
2. Add or remove seasons as needed.
3. Edit time periods by dragging the slider.
4. Enter the price for each time period.
5. Review and save your settings.

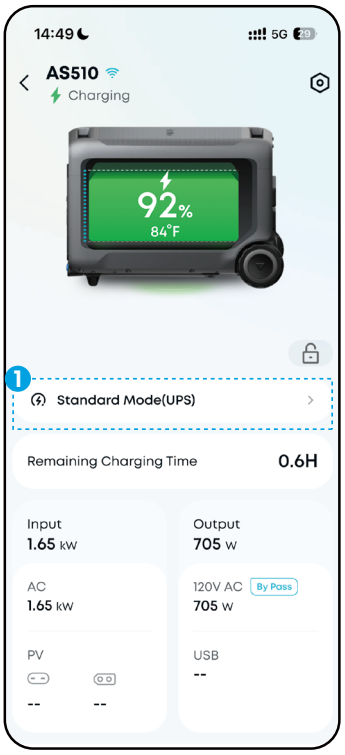


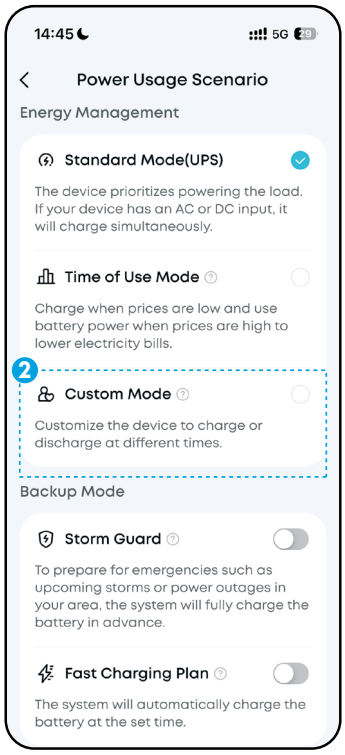
Custom Mode

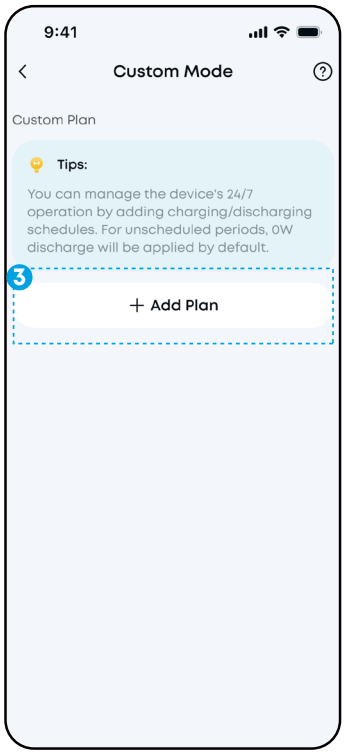
Customize power output based on your specific needs throughout the day. In this mode, you can set a 24/7 schedule of photovoltaics consumption and storage for the power station.

How to Set Up:

1. Select “Custom Mode”.
2. Tap “Add Plan”, then select the specific days of the week and time periods for plan execution.
3. Save and apply the energy plan.







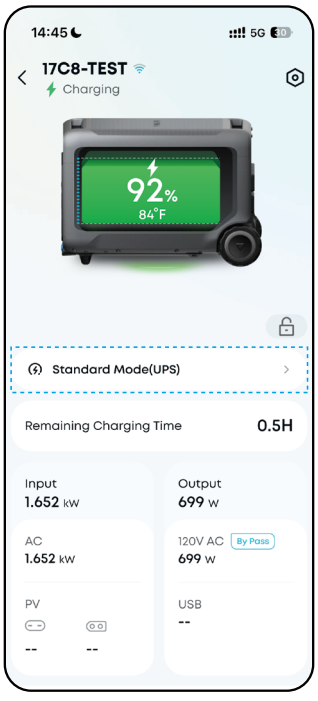
Backup Mode

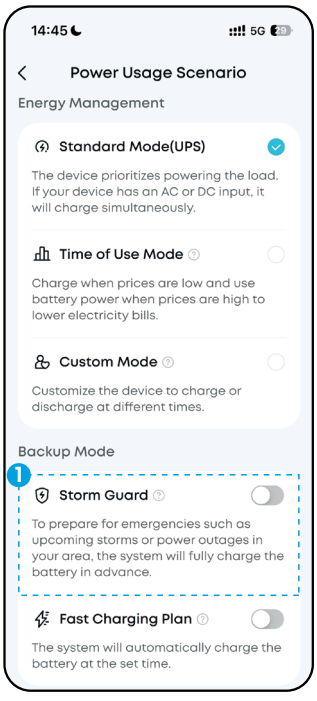
Storm Guard

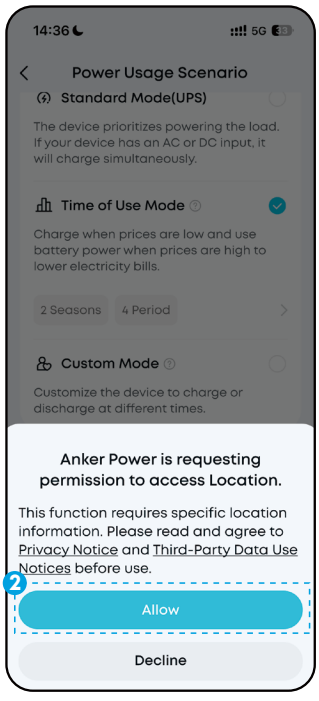
When Storm Guard is enabled, the power station will receive weather notifications based on your location and perform recharging at the fastest speed before severe weather. Under this mode, the power station will be fully charged regardless of the preset charging limit or AC recharging limit.

How to Set Up:

1. Toggle on “Storm Guard Mode”.
2. Authorize location access.





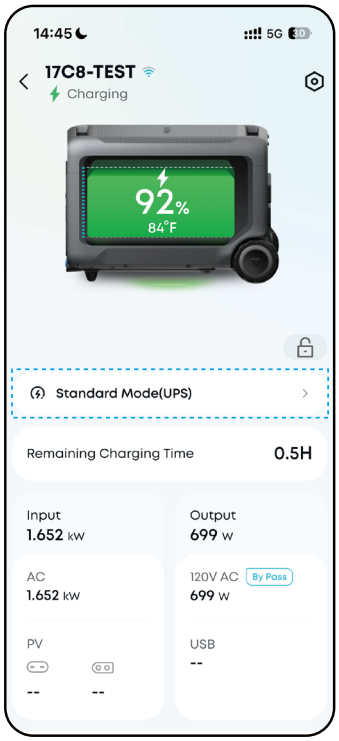


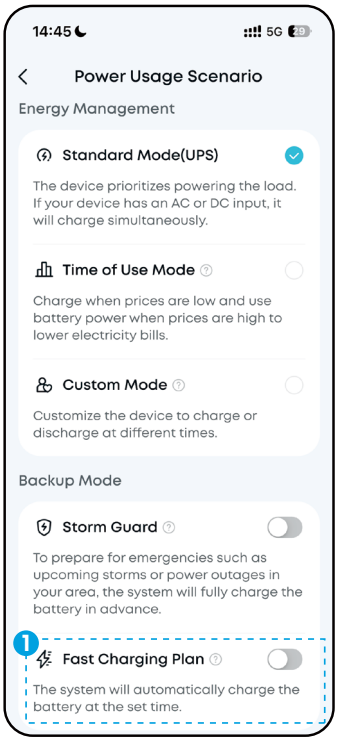
Fast Charging Plan

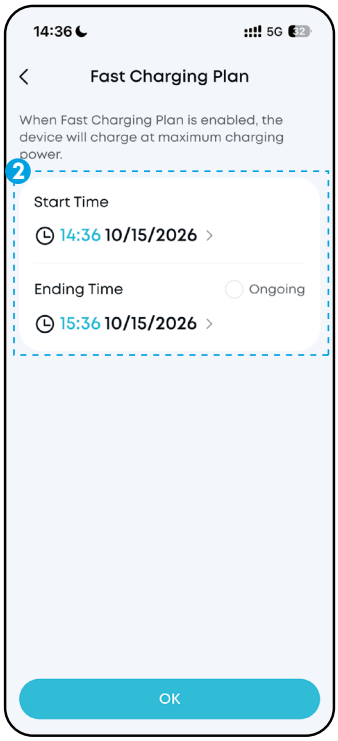
When Fast Charging Plan is enabled, the power station will perform recharging at the fastest speed in the time periods you set. Under this mode, the power station will be fully charged regardless of the preset charging limit or AC recharging limit.

How to Set Up:

1. Toggle on "Fast Charging Plan".
2. Set the specific start and end times for charging.







Specifications

Rated Battery Capacity	16V DC, 314Ah, 5,024Wh
AC Input Power (Charging / Bypass Mode)	120V AC, 15A Max (<3 Hours), 1,800W Max, 12A (Continuous), 60Hz, L+N+PE 240V AC, 18.75A Max, 4,500W Max, 60 Hz, L1+L2+N+PE
Charging Power (Single Unit)[1]	4,300W Max
Solar Panel Input 1	11 - 60V⎓17A Max (1,000W Max)
Solar Panel Input 2	16 - 165V⎓17A Max (2,000W Max)
DC Port Input / Output Power	400V DC, 9,000W / 7,500W Max
AC Output (L14-30R)	240V AC, 18.75A Max, 60 Hz, 4,500W Max, L1+L2+N+PE
AC Output (TT-30R)	120V AC, 30A Max, 60 Hz, 3,600W Max, L+N+PE
AC Output (NEMA 5-20R)	120V AC, 20A Max, 60Hz, 2,400W Max, L+N+PE
AC Output (TT-30R, NEMA 5-20R, Total)[2]	120V AC, 37.5A Max, 60 Hz, 4,500W Max, L+N+PE
SurgePad™ Power	6,000W Max
Surge Peak Power	8,000W (1s)
USB-A Output	5V⎓2.4A (12W Max.)
USB-C1 Output	5V⎓3A (15W Max.)
USB-A1 and USB-C1 Total Output	5V⎓3.6A (18W Max.)
USB-C2 Output	5V⎓3A/9V⎓3A/15V⎓3A/20V⎓3A/20V⎓5A(100W Max.)
Discharging Temperature	-4°F to 104°F / -20°C to 40°C
Charging Temperature	32°F to 104°F / 0°C to 40°C

[1] Charging Power (Single Unit) refers to the maximum charging power when charging the Anker SOLIX Portable Power Station S5000 only, with no load or expansion battery connected. Each additional expansion battery increases the maximum charging power by 3,200 W, up to a maximum of 12,000 W.

[2] The power station can power your devices while recharging. When charging from a 240V generator while using 120V AC output, use a generator rated above 4,500W to maintain full output power. Other input and output combinations have no generator power requirement.

Default Exposed Network Interfaces and Services

Bluetooth Low Energy (BLE) Status: When the equipment is not yet connected to a network, it will automatically enable BLE broadcasting and activate BLE services to provide Bluetooth network configuration capabilities.

Note: During the BLE configuration process, ensure your network environment is stable and follow the instructions to complete the setup.

Port 5353

The primary function of port 5353 (TCP/UDP 5353) in a network is to implement the mDNS protocol for mutual discovery between devices on the local area network (LAN).

Application Scenarios: Multi-device linkage, self-consumption scenarios, and energy scheduling strategies in the LAN.

Access the device via hostname.local on the same local area network without traditional DNS configuration.

mDNS Protocol Characteristics: Using UDP protocol, port 5353 is its standard port, compatible with the standard DNS query format.