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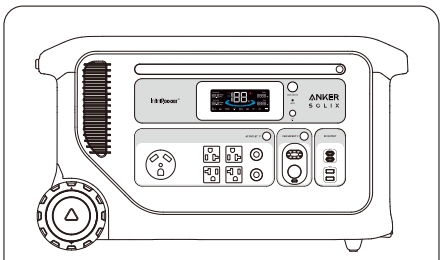
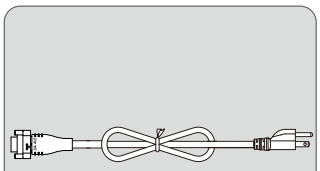
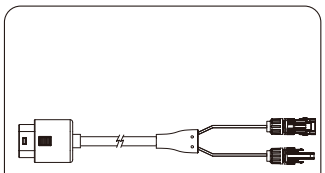
What's in the Box



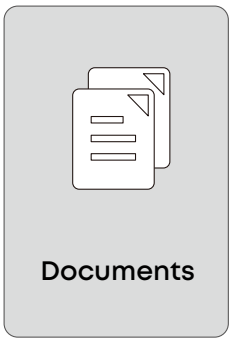
Anker SOLIX F3000 Portable Power Station



AC Charging Cable

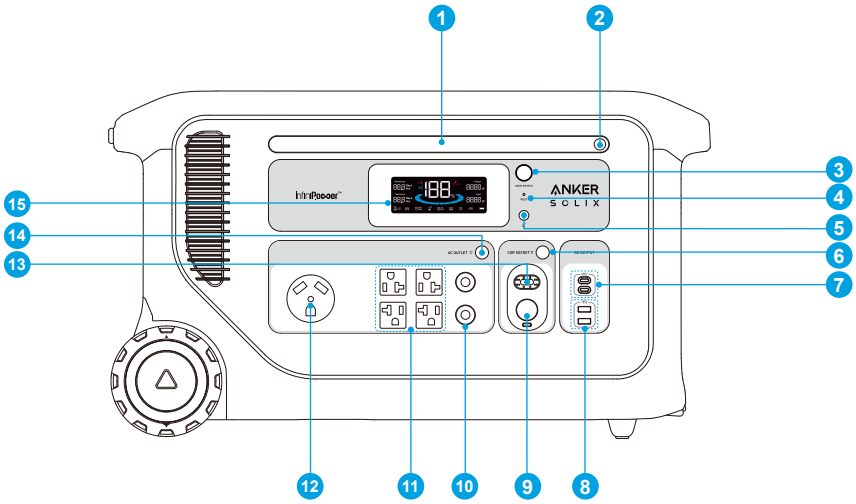


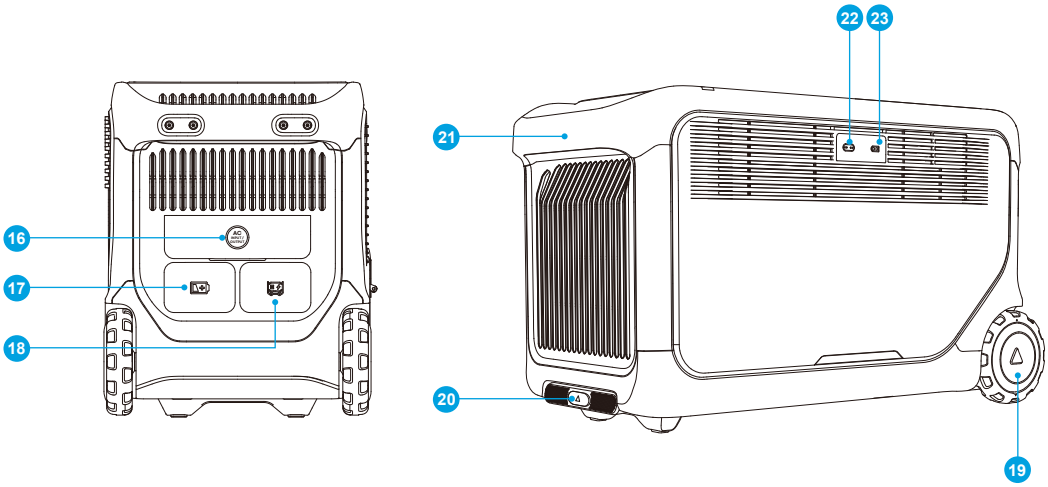
High-Voltage Solar Charging Cable



Documents

Overview

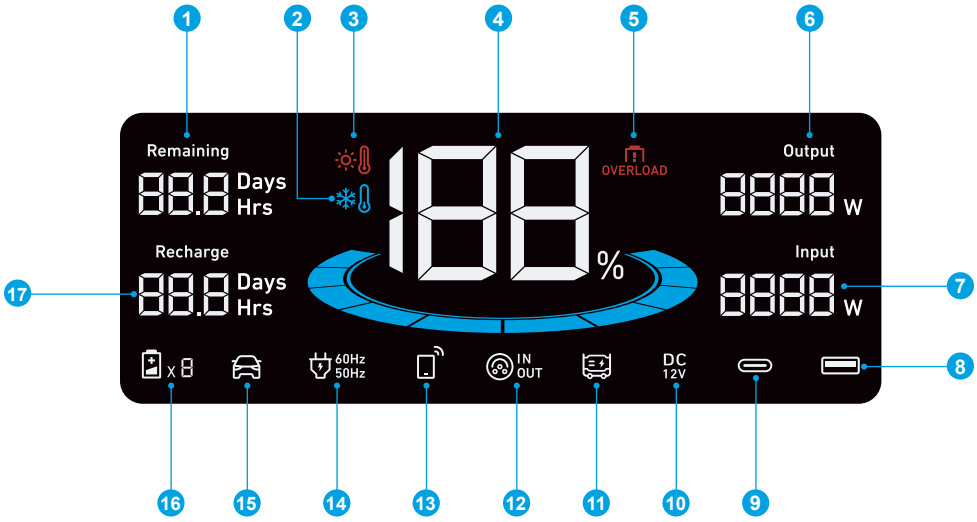




❶ Ambient Light	❷ Ambient Light Button	❸ Main Power Button	❹ Pinhole Reset
❺ IoT Button	❻ Car Socket Button	❼ USB-C Output Port	❽ USB-A Output Port
❾ Car Socket Port	❿ Overload Protection Button	⓫ NEMA 5-20R AC Output Port	⓬ TT-30R AC Output Port
⓭ Anderson Port * It is a DC output port, we recommend using an Anderson connection cable. If you intend to make your own Anderson connection cable, make sure you do so under the guidance of a professional electrician to avoid poor contact with the plug.			

⓮ AC Outlet Button	⓯ LCD Screen	⓰ AC Input/Output Port	⓱ Expansion Battery Port
⓲ DC Input Port	⓳ Wheel	⓴ Pull Rod	㉑ Handle
㉒ High-PV Input Port		㉓ Low-PV Input Port	

LCD Screen Guide



❶ Estimated Time for Battery to Deplete

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 Generator Recharging

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 Charge Frequency

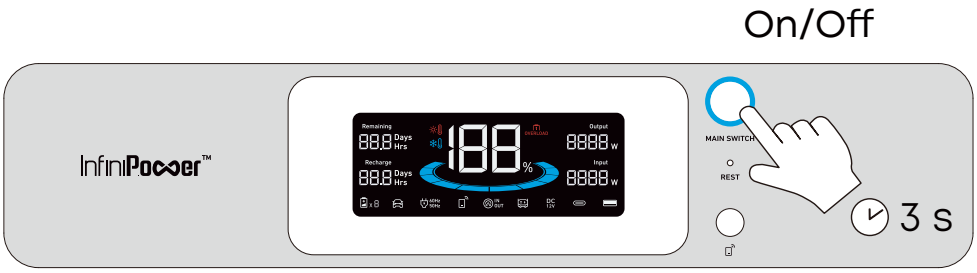
⓯ Electrical Vehicle Charging

⓰ Number of Expansion Battery Connected

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

⓱ Estimated Time to Fully Recharge

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.

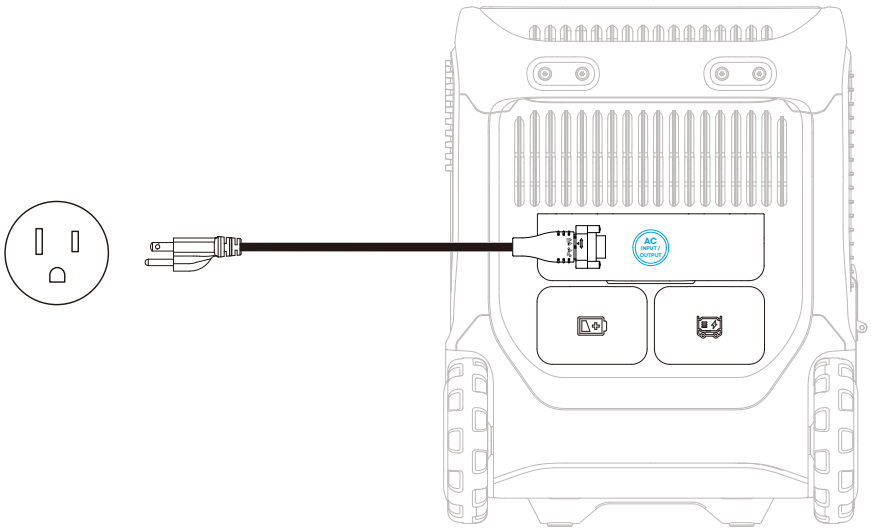
Recharging the Power Station

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 (120V~ 15A, 1,800W Max)
Recharge the power station by connecting to a wall outlet with the AC charging cable.
For safety and optimal performance, use the original cable only.

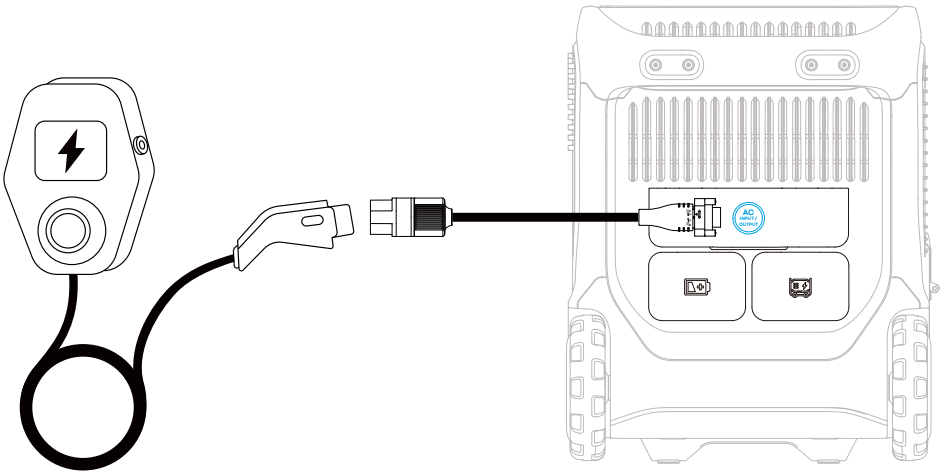


Recharging via an EV Charger (120V~ 30A / 240V~ 15A, 3,600W Max)

Recharge the power station by connecting to the EV charger with Anker SOLIX EV Charging Adapter (not included).

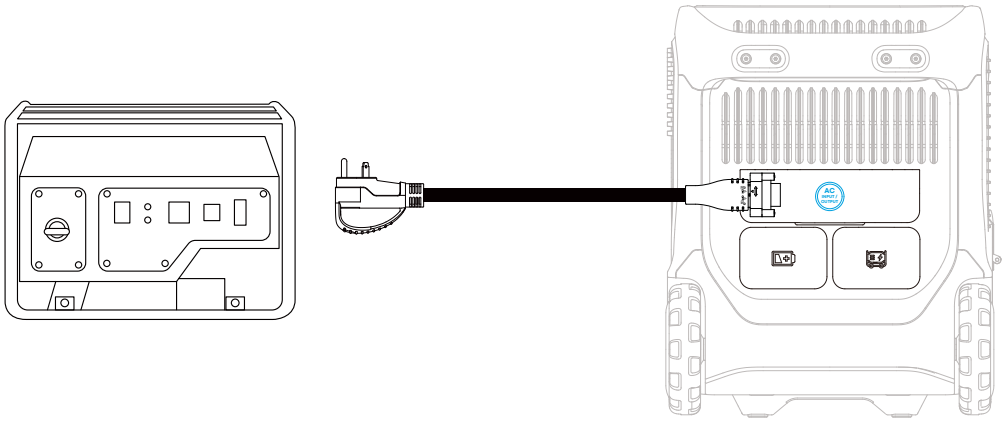
Note:

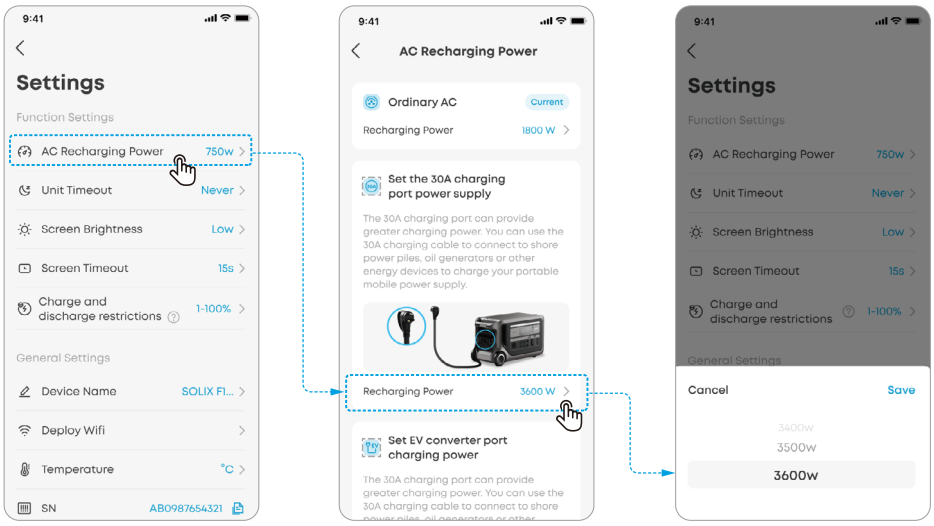
- To Charge with Anker SOLIX EV Charging Adapter, the power station must be turned on and has at least 1% battery. Once the charging adapter is connected, press the main power button to start charging.
- When Anker SOLIX EV Charging Adapter is connected, the AC output ports of the power station will be disabled.



Recharging via a Third-Party Generator (120V~ 30A, 3,600W Max)

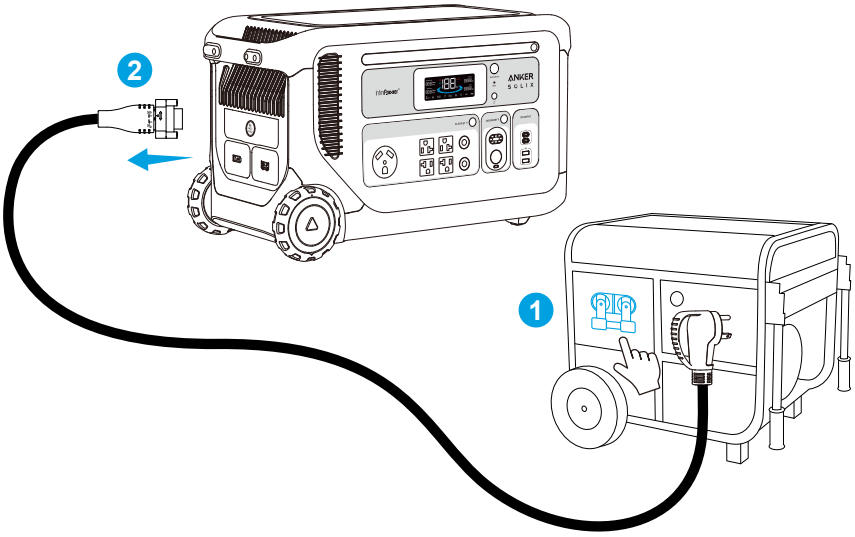
Recharge the power station by connecting to the 120V AC output port of a generator with Anker SOLIX TT-30 Charging Cable.





Turning off the generator directly may cause a power outage for several seconds. If you want to disconnect from Anker SOLIX F3000 Portable Power Station and the generator, please follow the steps below to avoid power disruptions.

1. Turn off the AC breaker of the generator.
2. Disconnect Anker SOLIX TT-30 Charging Cable from Anker SOLIX F3000 Portable Power Station.



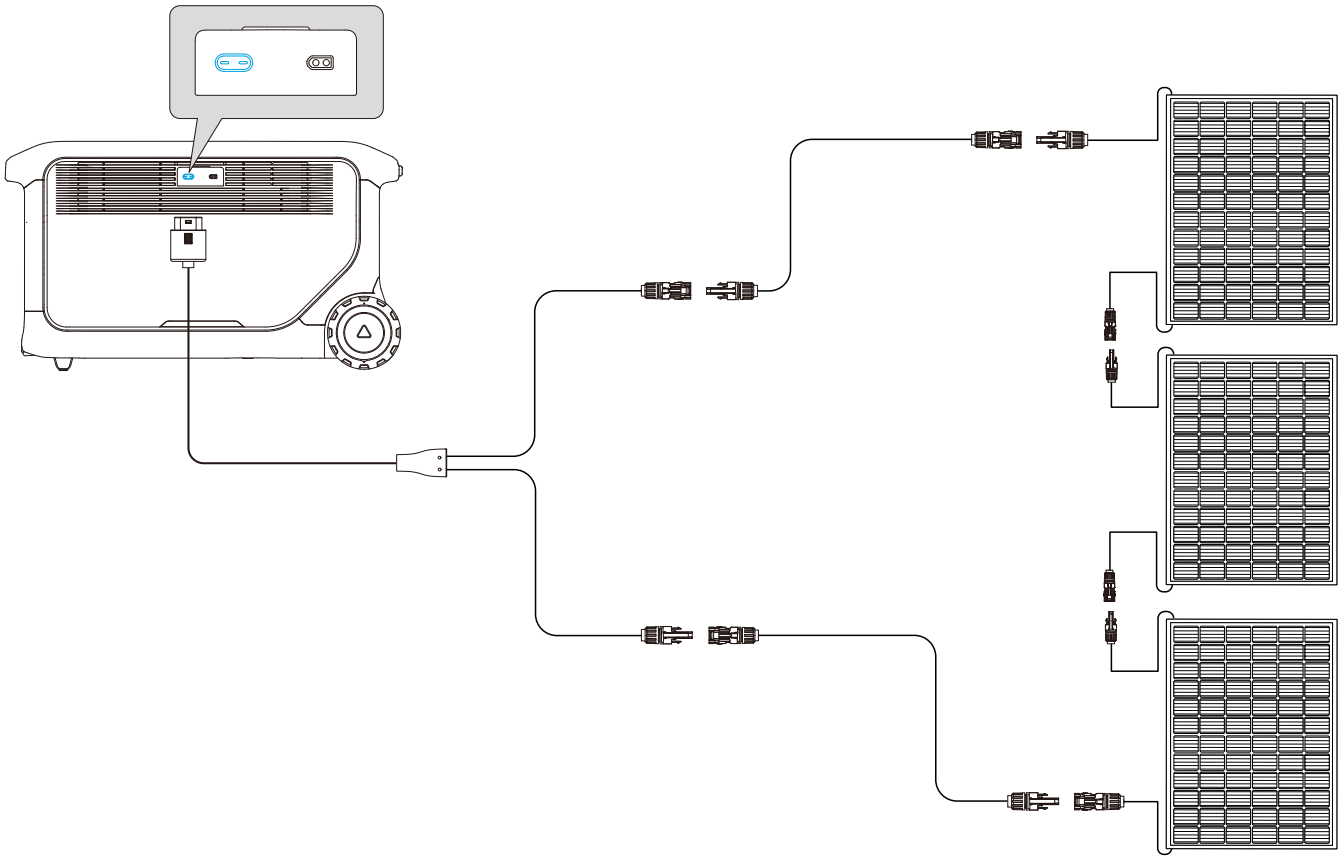
DC Recharging

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.

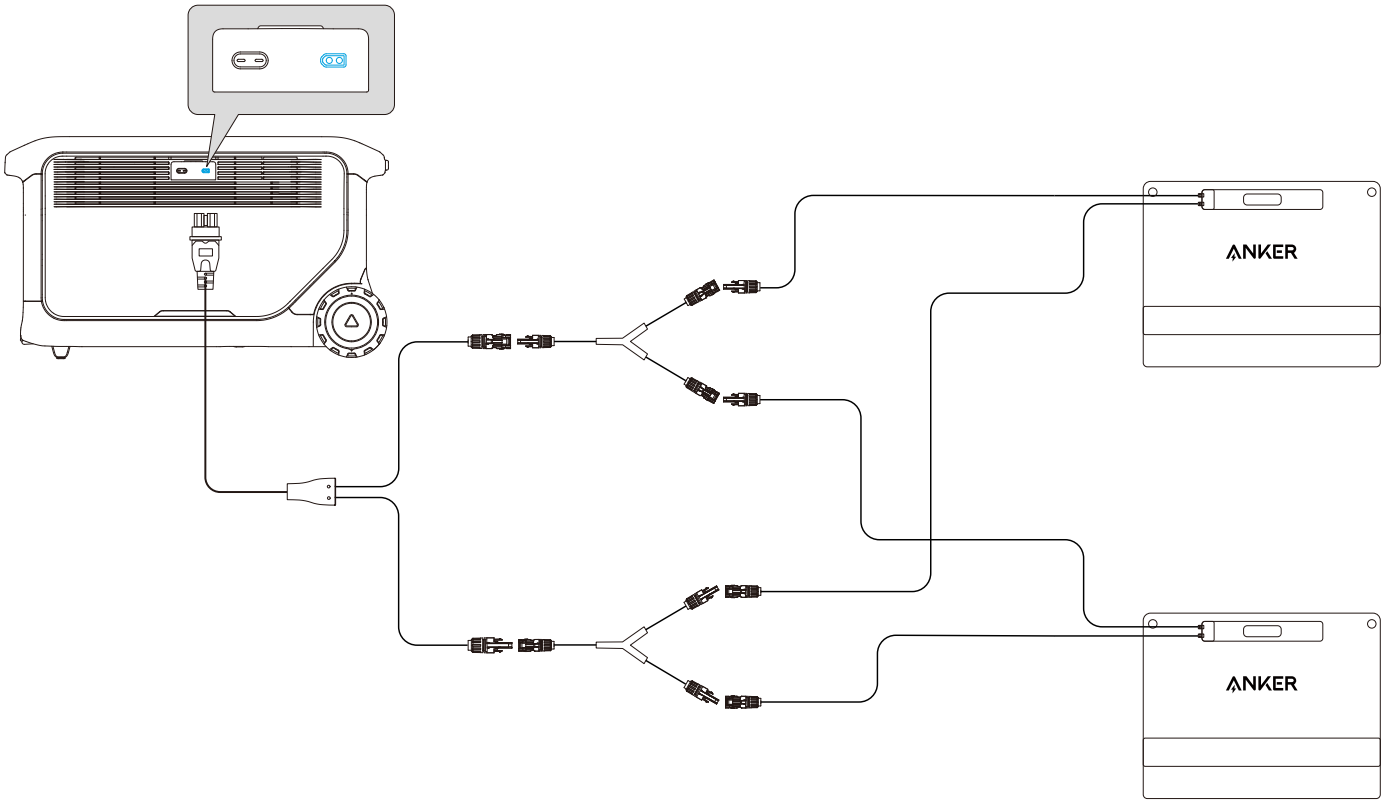


Low-PV Input Port Wiring Diagram (11-60V ⎓ 17A Max, 800W Max)

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:

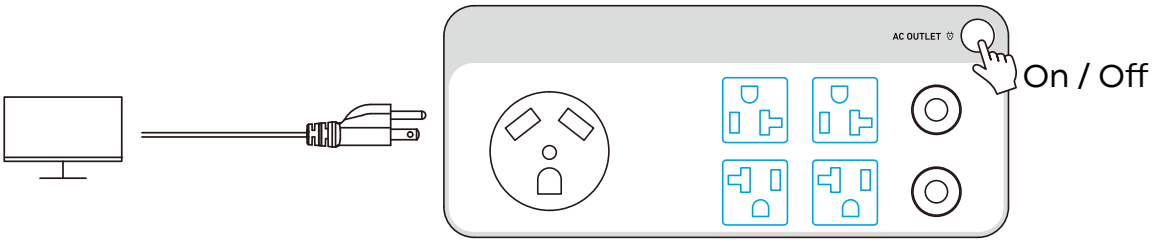
- The color of the low-PV input port is subject to the actual product.
- Ensure the total solar current is near 17A. If it exceeds 17A, the output power of the solar panel cannot be fully utilized.



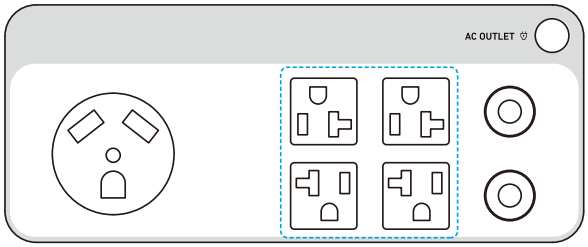
Powering the Devices

AC Powering

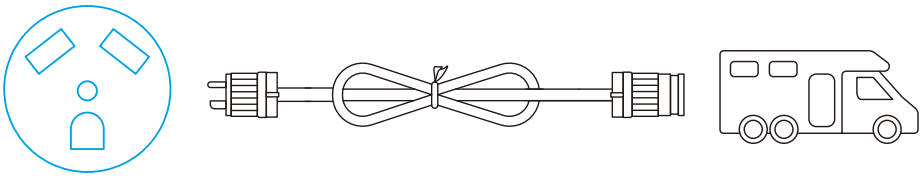
Press the AC outlet button and connect your devices to NEMA 5-20R output ports of the power station.



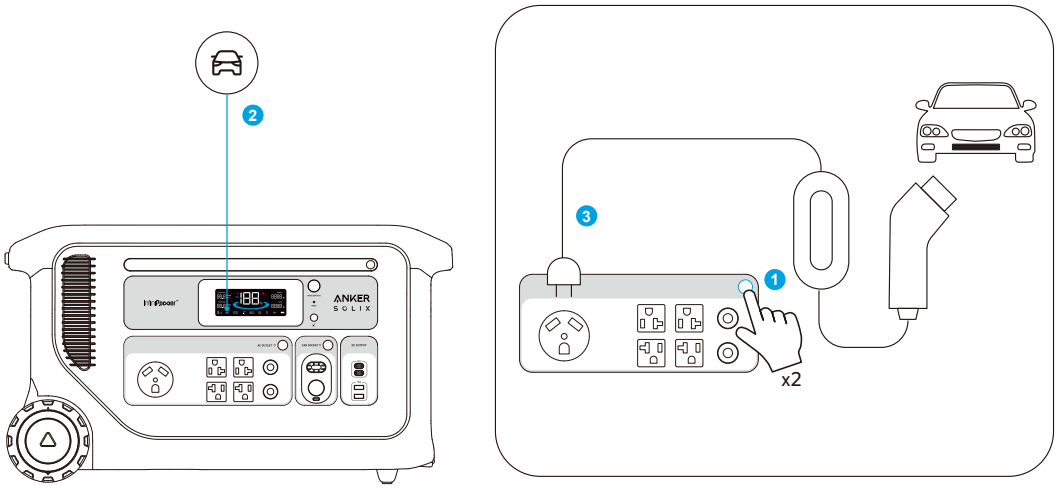
*Uninterruptible Power Supply (UPS)
An uninterruptible power supply (UPS) is a type of continual power system that provides automated backup power to the loads when the mains power fails.
Connect the power station to a wall outlet, then press the AC output button and connect your devices at the same 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.
*UPS is supported by NEMA 5-20R AC output ports.



Press the AC outlet button and connect your devices to the TT-30R AC output port. The max output power via this port is 3,600W.

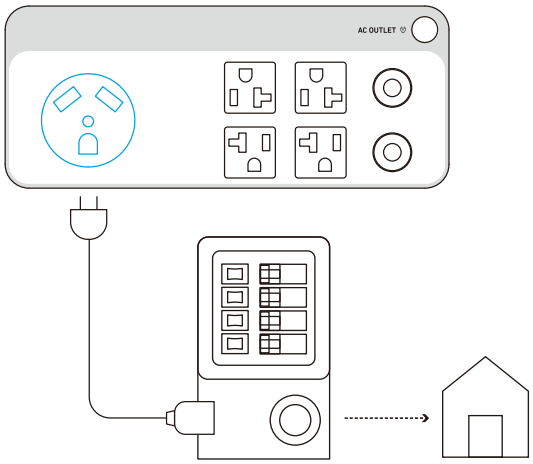


Double-press the AC outlet button to turn on EV mode, wait until the car icon appears on screen, then connect your device to the TT-30R AC output port. When the power station is in EV mode, it cannot be charged via AC simultaneously. The max output power via this port is 3,600W.



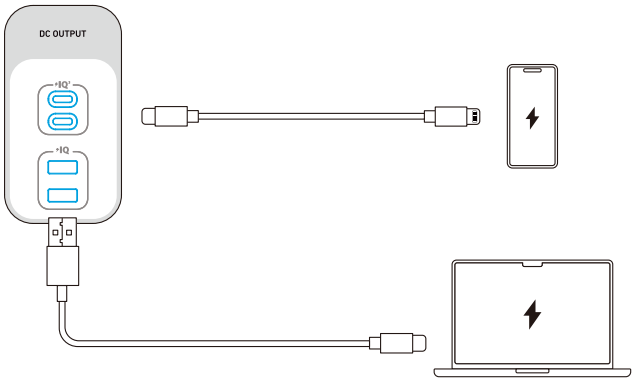
To power the loads that require backup electricity, press the AC outlet button and connect the power station to your inlet box or transfer switch via the TT-30R AC output port.

⚠ To ensure safe power supply with the AC ports, the neutral (N) and ground (PE) wires of the inlet box or transfer switch must be properly connected. Missing neutral (N) and ground (PE) wires may cause devices damaged on the circuit.



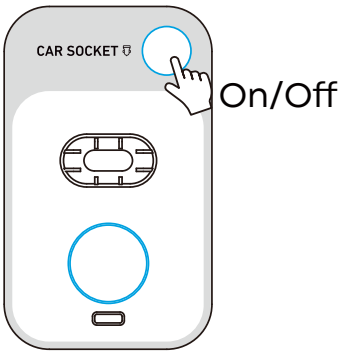
USB Ports Powering

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.



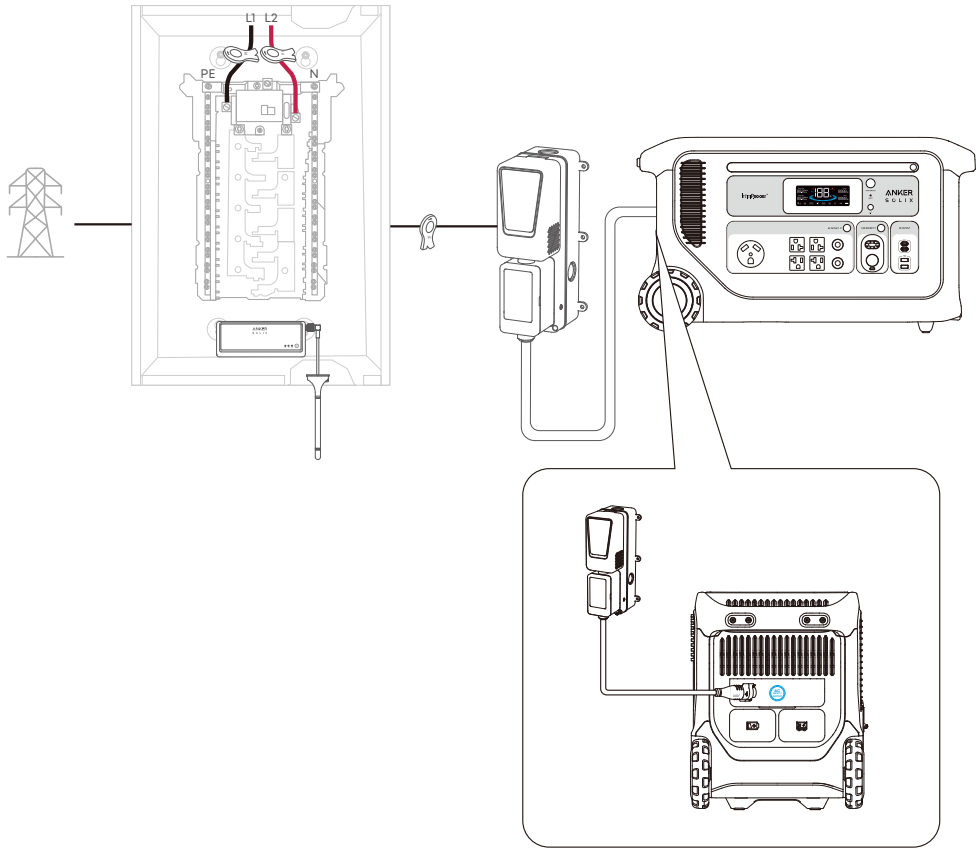
Car Socket Powering

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.



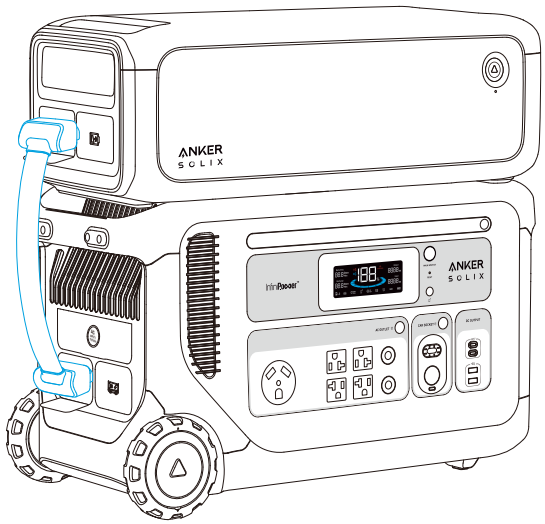
Connecting with Anker SOLIX Bi-Directional Inlet Box and Anker SOLIX Smart Meter

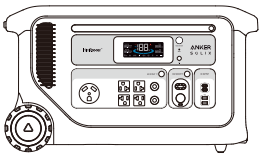
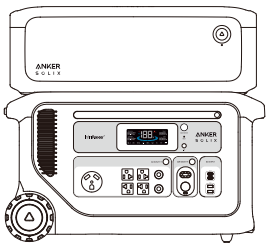
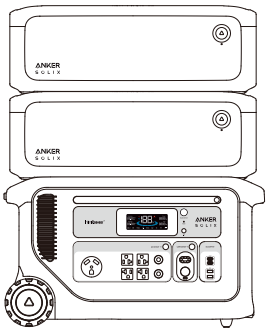
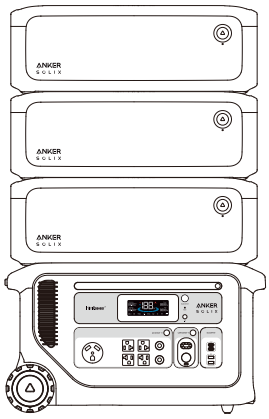
To power some appliances on the same circuit, connect the power station to Anker SOLIX Bi-Directional Inlet Box. This also allows the mains to recharge your power station. Please refer to [Anker SOLIX Bi-Directional Inlet Box user guide] for more information on how to install it.



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.

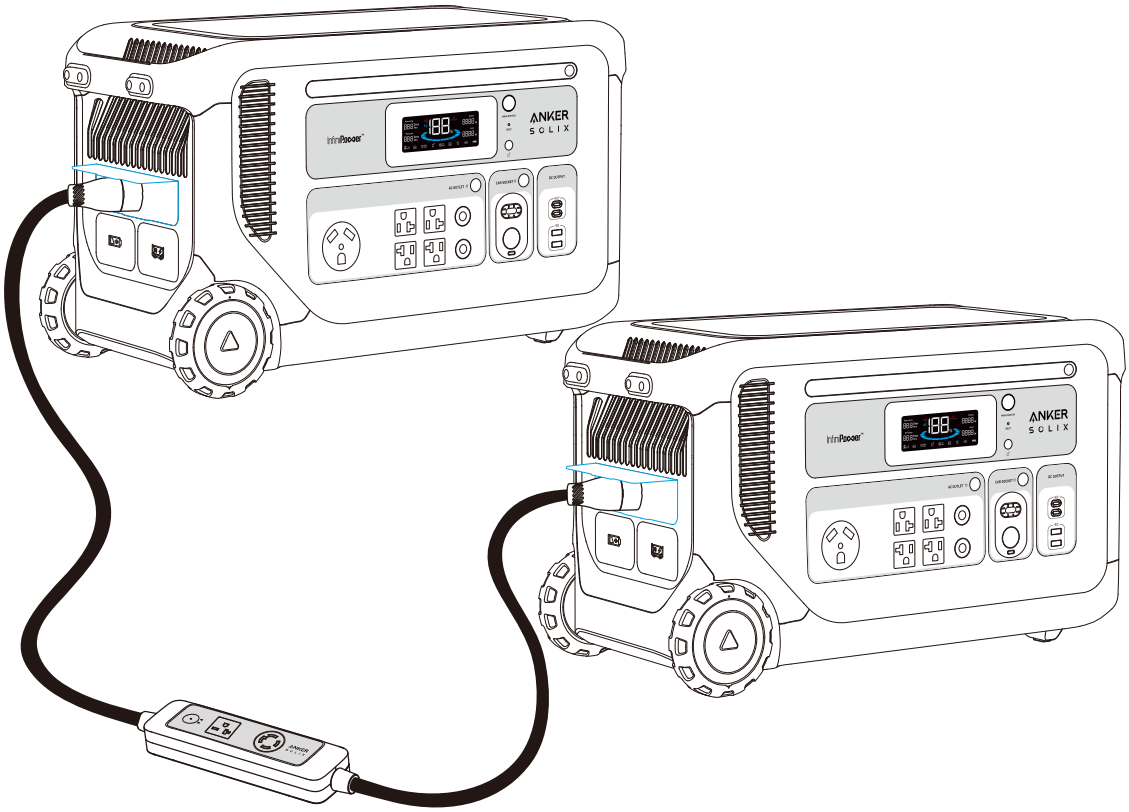


Anker SOLIX F3000 Portable Power Station				
Expansion Battery Module	0	× 1	× 2	× 3
Capacity	3,072Wh	6,144Wh	9,216Wh	12,288Wh

Connecting Two Anker SOLIX F3000 Portable Power Stations

You can purchase Anker SOLIX Double Voltage Hub to connect two Anker SOLIX F3000 Portable Power Stations to power your devices. The maximum output power of the hub is 7,200W/240V. If one F3000 shuts down, the hub will no longer provide output. Please refer to the user guide of Anker SOLIX Double Voltage Hub for detailed instructions.

⚠ Connecting two Anker SOLIX F3000 Portable Power Stations to one live wire is not supported.

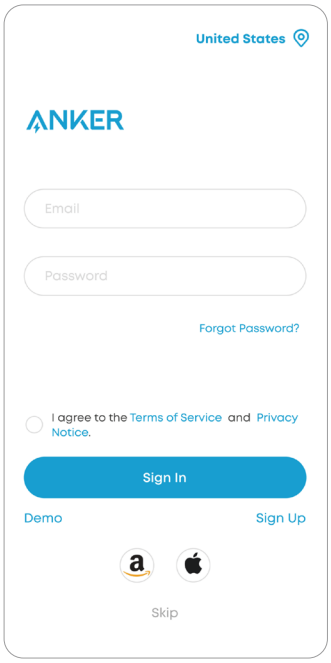


Using the Anker App

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

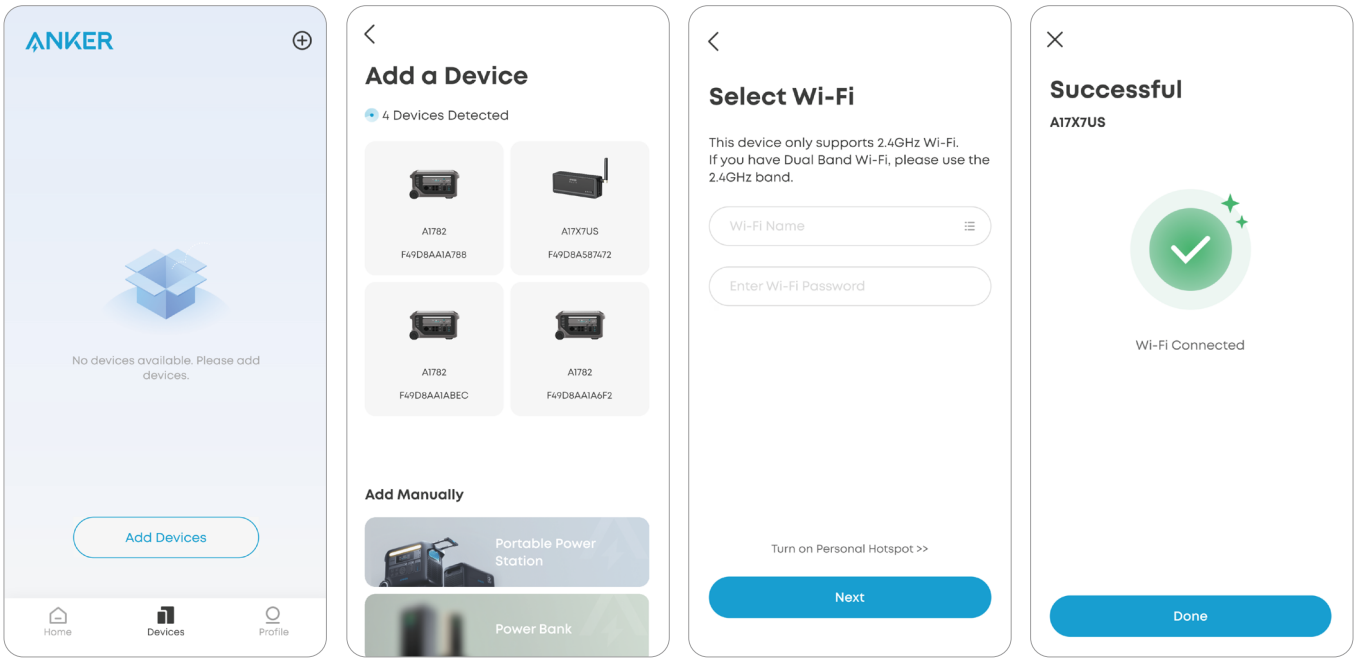
Sign in or create an account. Please be reminded that the country or region must match where you live. An incorrect country or region may cause the device connection to fail.



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.

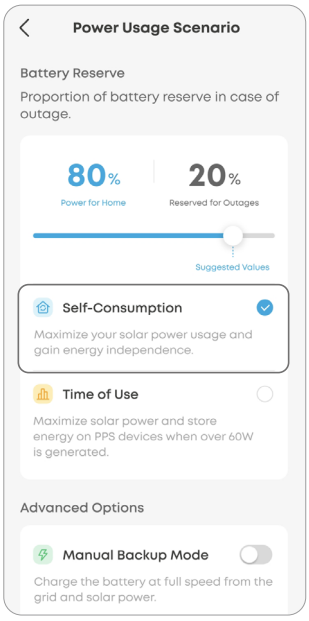


Customize Power Mode

After networking Anker SOLIX F3000 Portable Power Station and Anker SOLIX Smart Meter according to the Anker SOLIX Bi-Directional Inlet Box Installation Guide, choose how your power station manages power through the following modes to meet your home's energy needs.

Self-Consumption Mode

Self-consumption mode maximizes your use of solar power and minimizes reliance on the grid. In this mode, the smart meter will continuously monitor power demand and the power station will dynamically adjust the power output or storage.



Time of Use Mode

Set fixed time-of-use periods and use the dynamic schedule to automatically minimize costs. Distribute household energy use according to peaks and troughs that you set.

Manually set the charge and discharge intervals to schedule energy use throughout the day. The periods are categorized as follows:

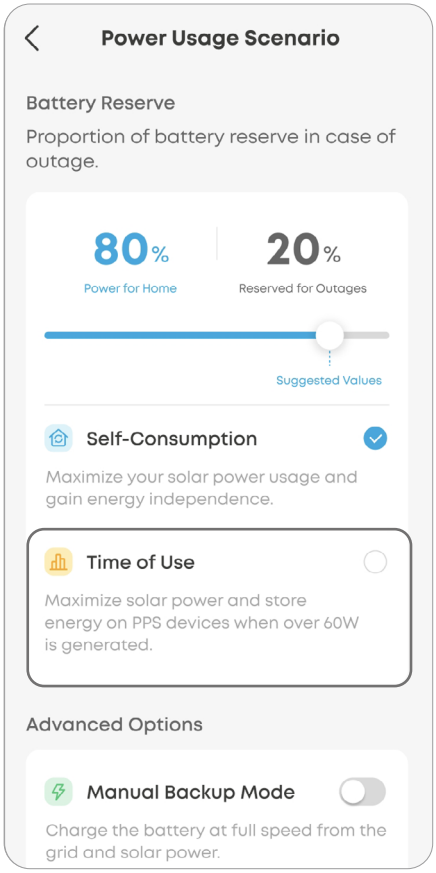
Super Off-Peak: Photovoltaic power prioritizes recharging energy storage. If power generation is insufficient, electricity will be purchased from the grid. When energy storage is fully charged, the load will be powered by photovoltaic energy and grid electricity. Energy storage will not discharge at all during this time.

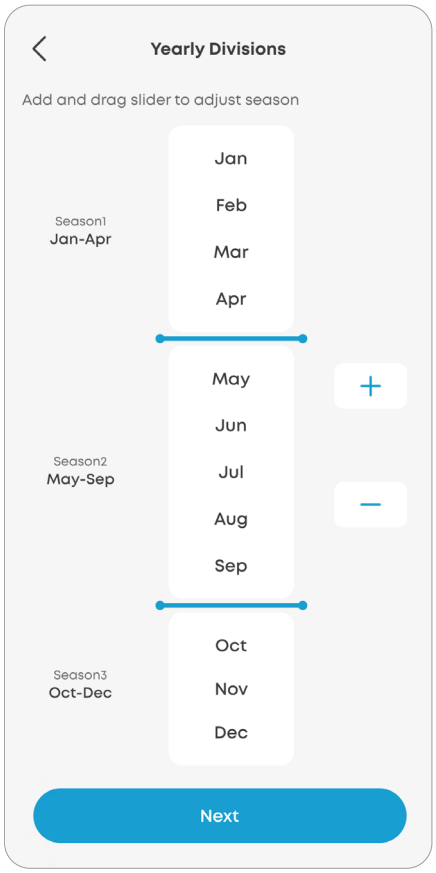
Off-Peak: Photovoltaic power prioritizes supplying the load. Excess electricity recharges energy storage. If photovoltaic power is insufficient, energy storage supplies power to the load until the remaining power is approximately 80%.

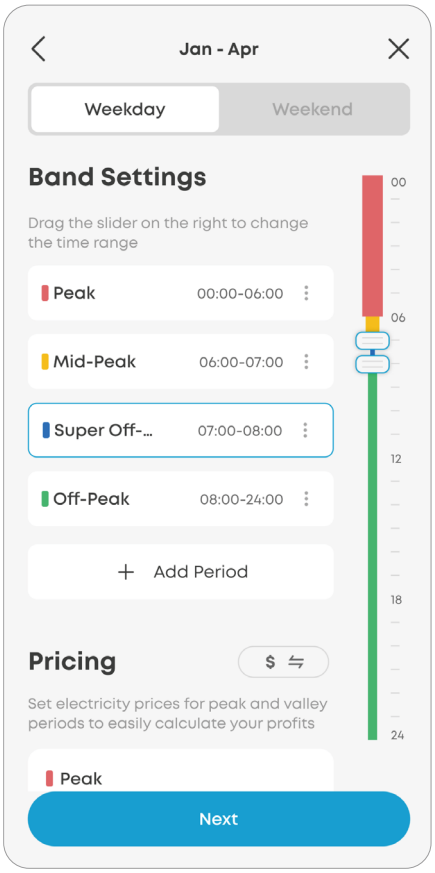
Peak/Mid-Peak: Photovoltaic power prioritizes supplying the load. Excess photovoltaic power recharges energy storage. If photovoltaic power is insufficient for the load, energy storage will discharge and power will be purchased from the grid to meet demand.

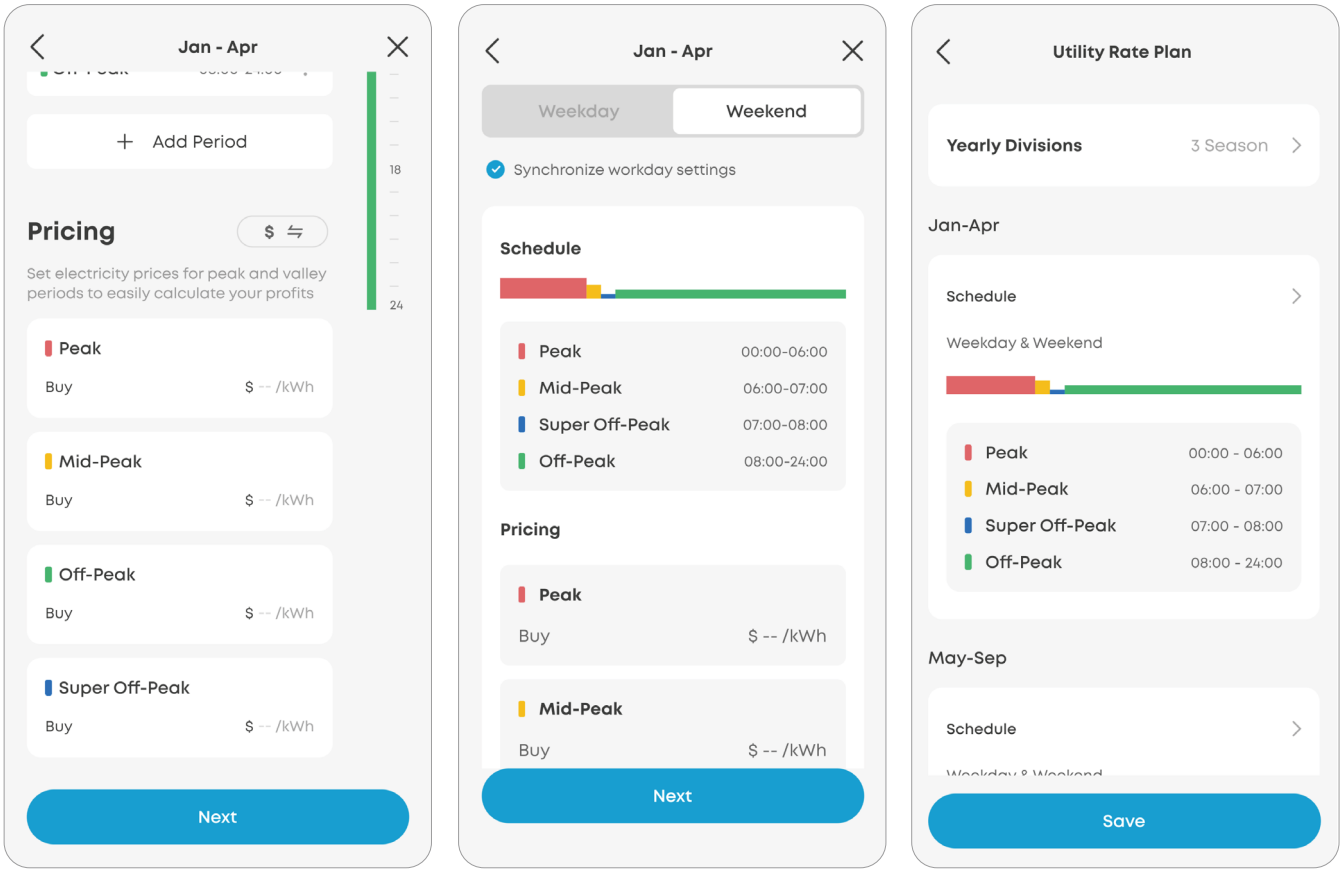
Set Up Time of Use Mode

1. Tap **Time of Use**.
2. Choose either **Seasons** or **Year-Long** based on your rate structure.
   If using **Year-Long**, proceed to the next step.
   If using **Seasons**, set your season with the sliders. Add or remove seasons using the + or -.
3. Edit time periods by dragging the slider. Tap **Add Period** to include additional periods. Repeat this for weekends if necessary.
4. Enter the rate pricing. Set unique "buy" prices for each time period.
5. Repeat steps 3 and 4 for all time periods and seasons.
6. Review and save your settings.



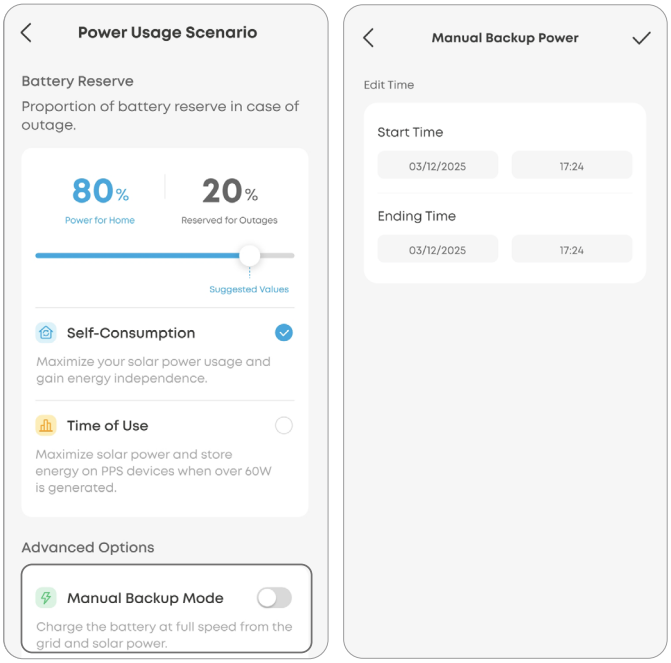






Manual Backup Mode

When manual backup power is enabled, F3000 prioritizes charging in case of storm warnings or potential outages. You can set the start and end time.



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 (1600W 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 correctly, insert a paper clip or pin into the reset hole for 1 second for a factory reset. If the power station still doesn't work, please contact support@anker.com.

3: If I have a 240V AC generator, can I use it to recharge Anker SOLIX F3000 Portable Power Station?
Yes, a general 240V AC generator can also output 120V AC power. But you need to check its 120V AC power capacity - usually it is half of its 240V running wattage.

4: 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 (120V~ 30A/240V~ 15A) by connecting to the EV charger with Anker SOLIX EV Charging Adapter.

5: How should I store Anker SOLIX F3000 Portable Power Station?
- Turn off all outputs when not in use to avoid battery power loss.
- Store in a dry and cool area.
- Check battery capacity each week. If the battery level is below 30%, charge to 100%.
- If the power station will not be used for an extended period, fully charge it to 100% at least once every three months.

6: What should I do if my generator overloaded when charging the Anker SOLIX F3000 Portable Power Station?
You should reduce the recharging power in the "AC Recharging Power" setting through the Anker APP. We recommand to set the recharging power to 80% of the running wattage of the 120V generator.

Specifications

Battery Type	LFP
Rated Capacity	51.2V DC 60,000 mAh / 3,072Wh
AC Input/Output Port (AC Input)	120V~ 15A Max (< 3 Hr), 1,800W Max, 12A (Continuous), 60Hz, L+N+PE (AC Charging Cable) 120 V~ 15A Max, 1,800W Max, 60Hz (< 3 Hr when current exceeds 12A), L+N+PE (Bi-Directional Inlet box) 120V~ 30A Max (< 3 Hr), 3,600W Max, 24A (Continuous), 60Hz, L+N+PE (TT-30 Charging Cable or EV Charging Adapter) 240V~ 15A Max, 3,600W Max, 60Hz, L+N+PE (EV Charging Adapter)
AC Input/Output Port (AC Output)	120V~ 15A Max, 1,800W Max, 60Hz, L+N+PE (Bi-Directional Inlet Box) 120V~ 30A Max, 3,600W Max, 60Hz, L+N+PE (Double Voltage Hub)
AC Output (TT-30R)	120V~ 30A Max, 60Hz, 3,600W Max 120V~ 15A Max, 1,800W Max, 60Hz, L+N+PE (Bi-Directional Inlet Box)
AC Output (NEMA 5-20R)	120V~ 20A Max, 60Hz, 2,400W Max 120V~15A Max, 1,800W Max, 60Hz, L+N+PE (Bi-Directional Inlet Box)
DC Generator Input	60V Max, 120A Max
PV Input	High-PV Input: 11-165V ⎓ 17A Max (1600W Max) Low-PV Input: 11-60V ⎓ 17A Max (800W 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)
Car Charger Output	12V ⎓ 10A
DC Output Port	13.4V ⎓ 30A
Discharging Temperature	-4°F to 104°F / -20°C to 40°C
Charging Temperature	32°F to 104°F / 0°C to 40°C
Net Weight	91.5 lb / 41.5 kg
Dimensions	25.6×11.8×14.8" / 651×300×377 mm

AC Power Usage Scenario

Charging Method			**Grid**	**Generator**	**EV Charger**
Input Voltage			120V	120V	120V/240V
Bypass Output			3,600W	3,600W	Not Supported
Recharging Power			1,800W	3,600W	3,600W
AC Output Ports	Tap the AC output button	EV output port	Yes	Yes	No Output
		AC output ports	Yes	Yes	No Output
	Double tap the AC output button	EV output port	Yes	Yes	No Output
		AC output ports	No Output	No Output	No Output

Customer Service

support@anker.com