What's in the Box

Overview

Product Overview

Button Control

LED Indication

Mount the Charger (Optional)

Wire Up the Charger

Use the Charger

Add Your Charger to the App

Initial Parameter Settings

Charging Mode

Reverse Mode

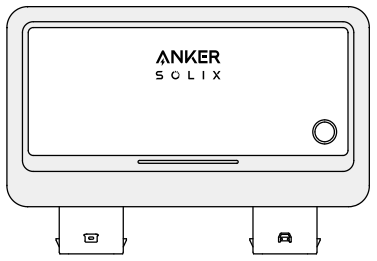
Wake Up the Charger

FAQ

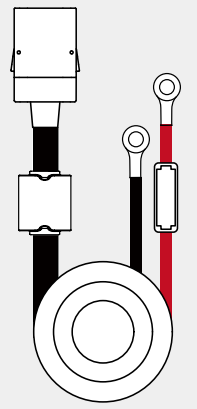
Specifications

IMPORTANT SAFETY INSTRUCTIONS

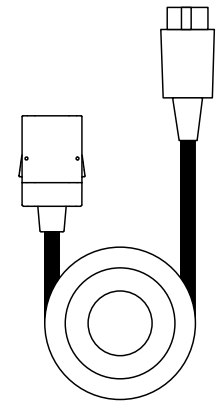
What's in the Box



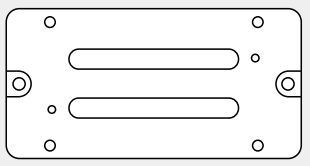
Anker SOLIX
Alternator Charger



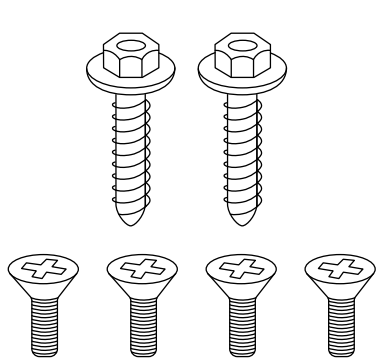
Battery Connection
Cable (7 m)



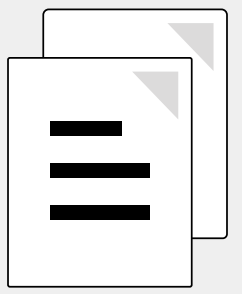
PPS XT-60i Port
Connection Cable (1 m)



Installation Board



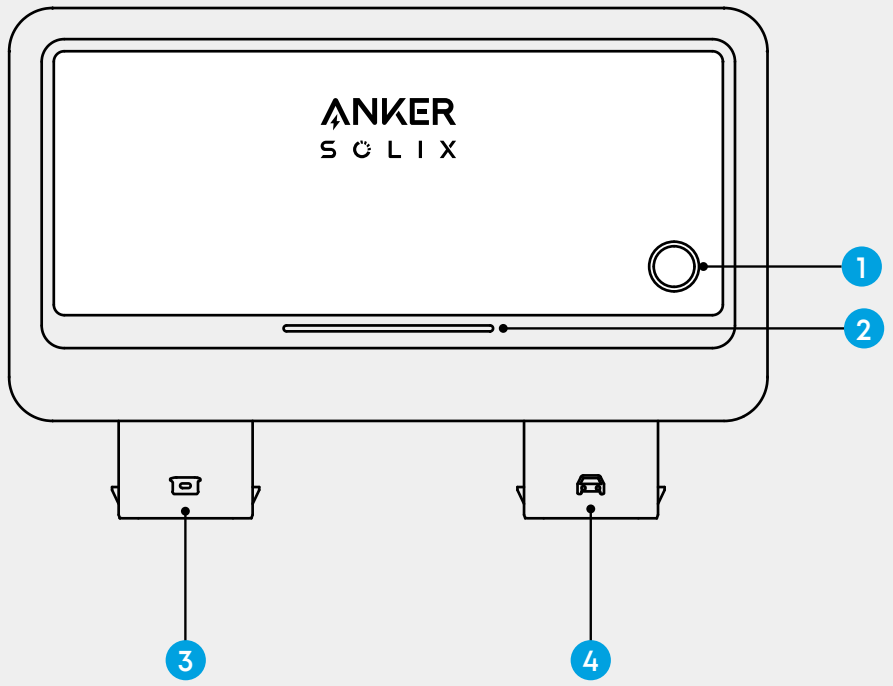
Screw (×6)



Documents

Overview

Product Overview

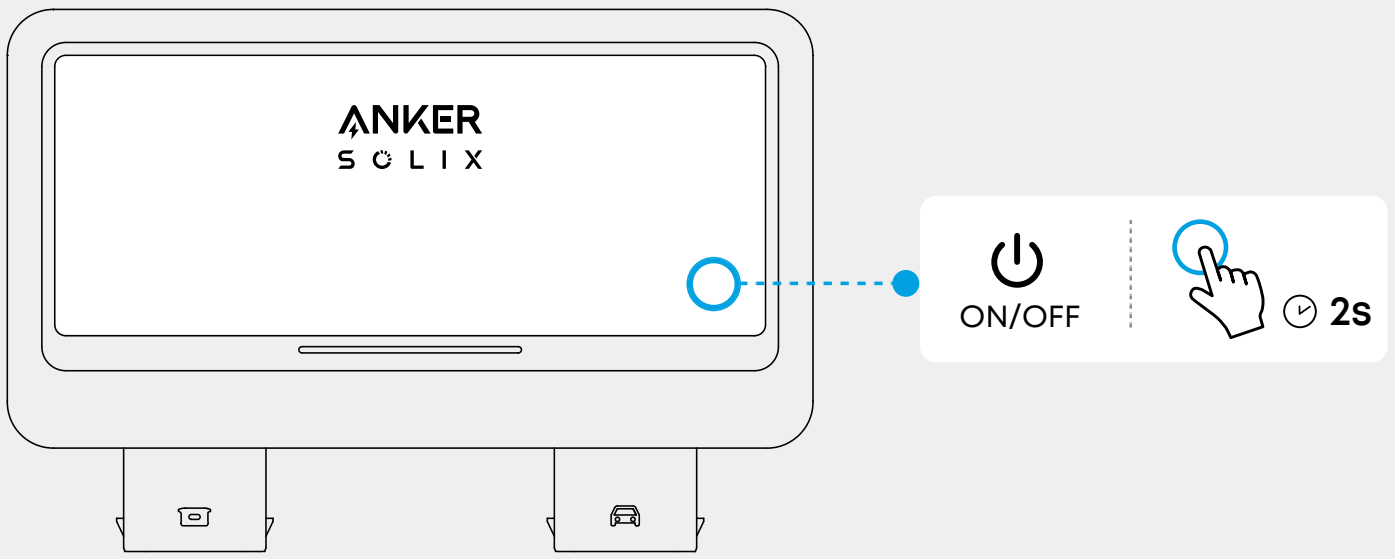


❶ Main Button ❷ LED Indicator ❸ Power Station Port ❹ Vehicle Battery Port

Button Control

Power On / Off: Press the main button for 2 seconds.

Reset IoT Connection: Long press the main button for 7 seconds in the power-off state.

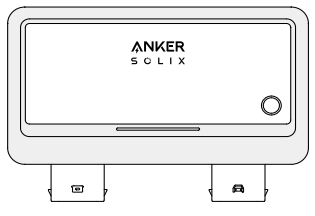


LED Indication

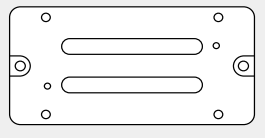
Alternator Charger Status	LED Color	LED State
Charging	Blue	Solid
Bluetooth Broadcasting	Blue	Breathing
Firmware Updating (OTA)	Blue	Slow Breathing
Malfunctioning	Red	Breathing

Mount the Charger (Optional)

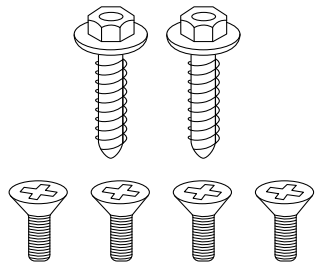
The charger should be placed on a flat surface during use, or it should be securely installed.



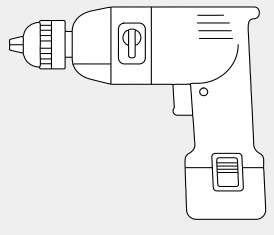
(x1)

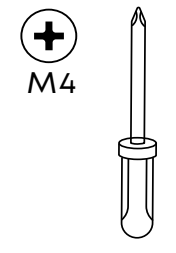


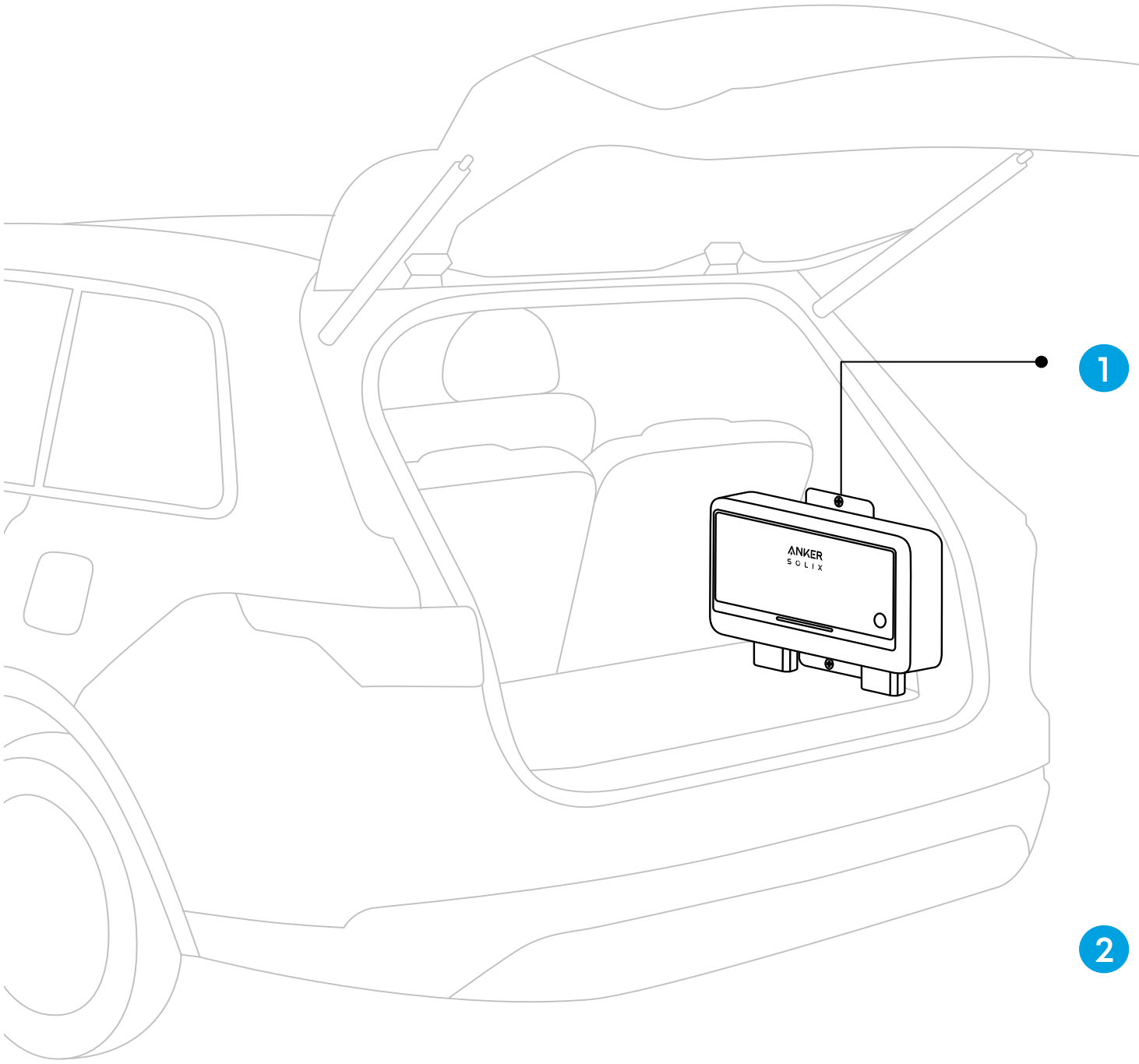
(x1)



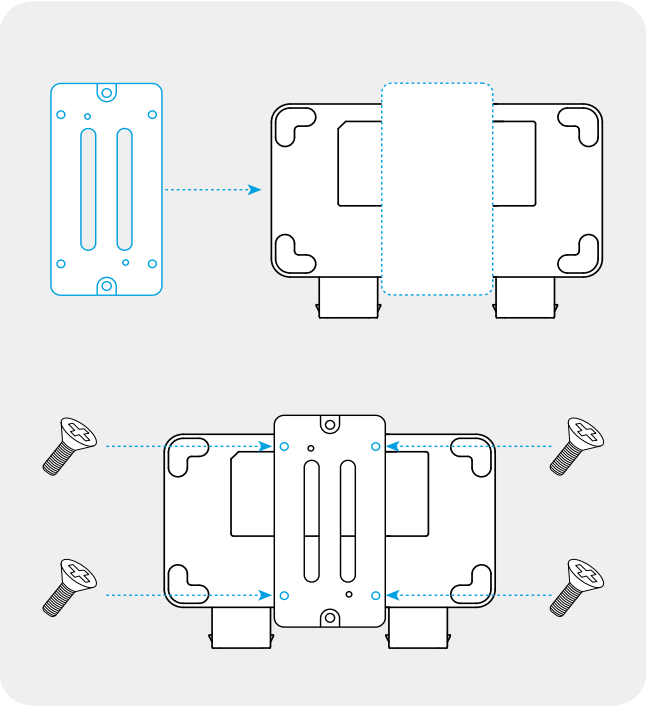
(x6)



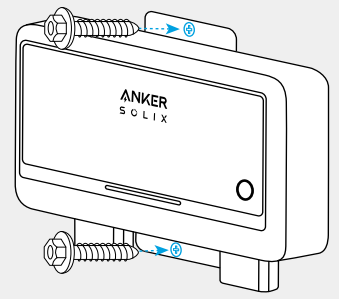




1



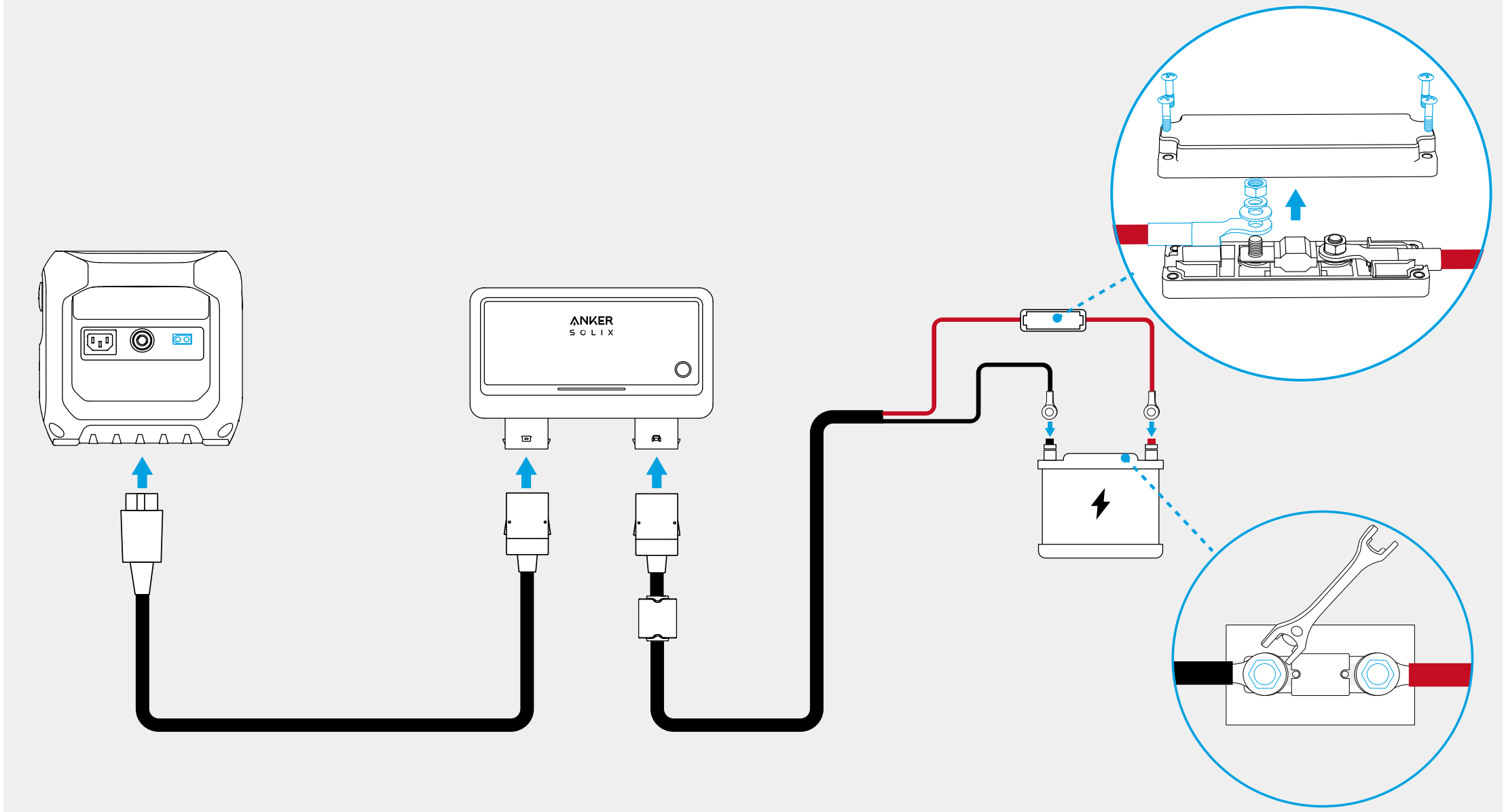
2



1. Fix the installation board to the back of the charger with the four shorter screws.
2. Drill the remaining two longer screws through the installation board and into the back plate.

Wire Up the Charger

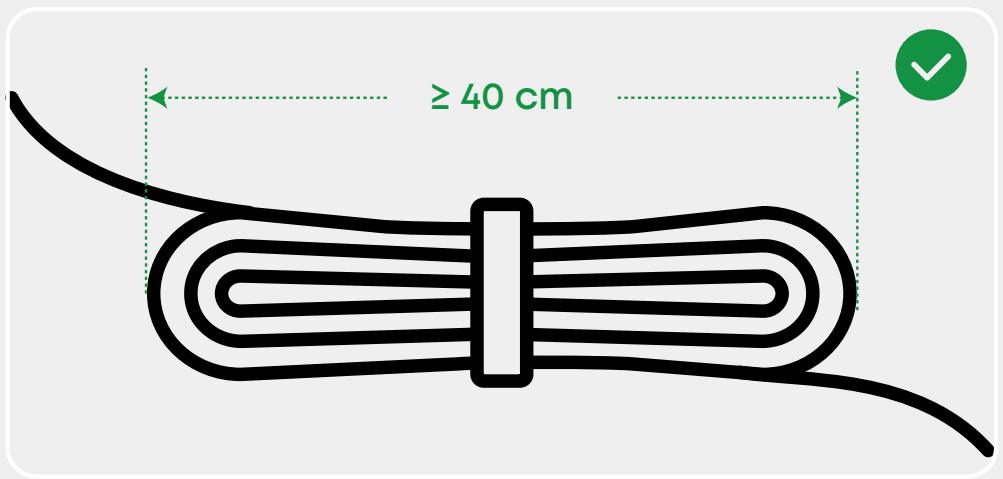
- Wear personal protective equipment (including protective gloves) during wiring.
- Complete the wiring prior to starting the vehicle or activating the charger.
- Power off the charger before changing the wiring each time.



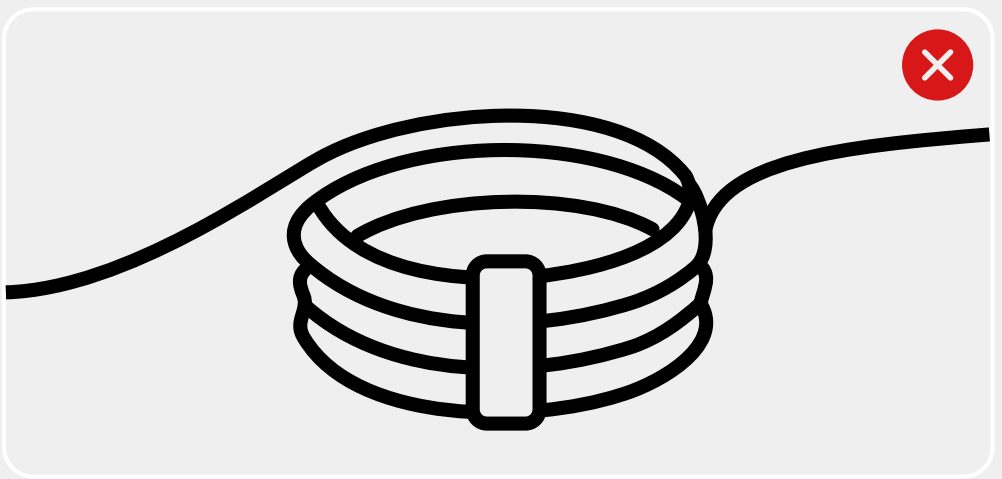
1. Connect the Battery Connection Cable to the Vehicle Battery Port on the charger. You will hear a click once it is securely connected.
2. Route the Battery Connection Cable through the vehicle to the starter battery or RV house battery. The exact routing will vary by vehicle. The fuse holder on the Battery Connection Cable is detachable. You can disconnect the wire from the fuse holder to make routing easier. After routing, reconnect the fuse holder. Ensure the round terminal, washer, and nut are securely tightened in the correct sequence.
3. Connect the ring terminal (red) on the Battery Connection Cable to the positive terminal (+) of the vehicle battery. Then connect the ring terminal (black) to the negative terminal (-) of the vehicle battery.
4. Connect the charger to your portable power station with the PPS XT-60i Port Connection Cable. You may connect the charger to your power station or expansion battery using the Expansion Port Output Cable, which is not included in the standard package. You can purchase this cable in the Anker Accessory Store.

If there is any excess battery connection cable after installation, you may fold and bundle it. We recommend using the bundling method shown in Method One. Do not fold or bundle the cable as shown in Method Two, as this will reduce heat dissipation and cause the bundled cable to overheat.

Method One



Method Two

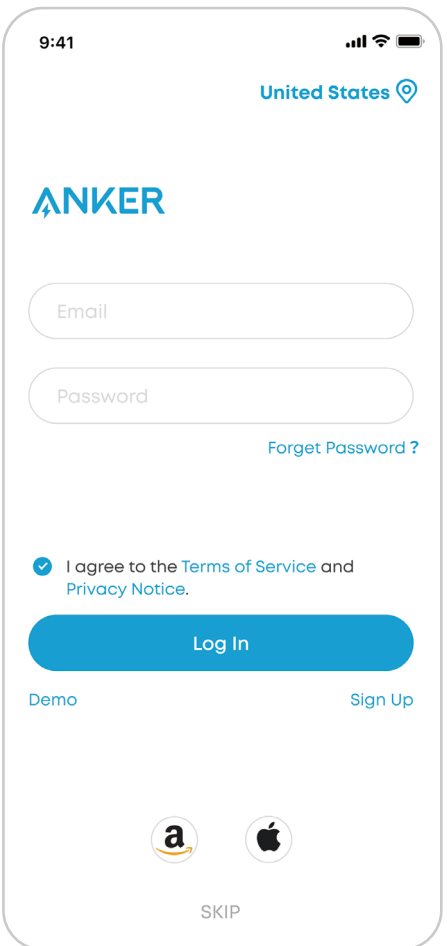


Use the Charger

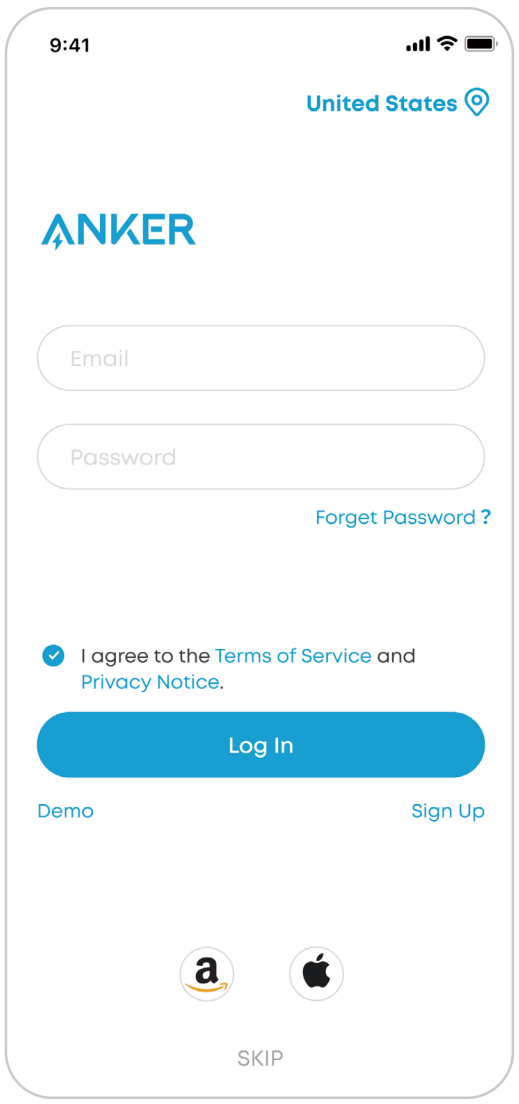
Add Your Charger to the App

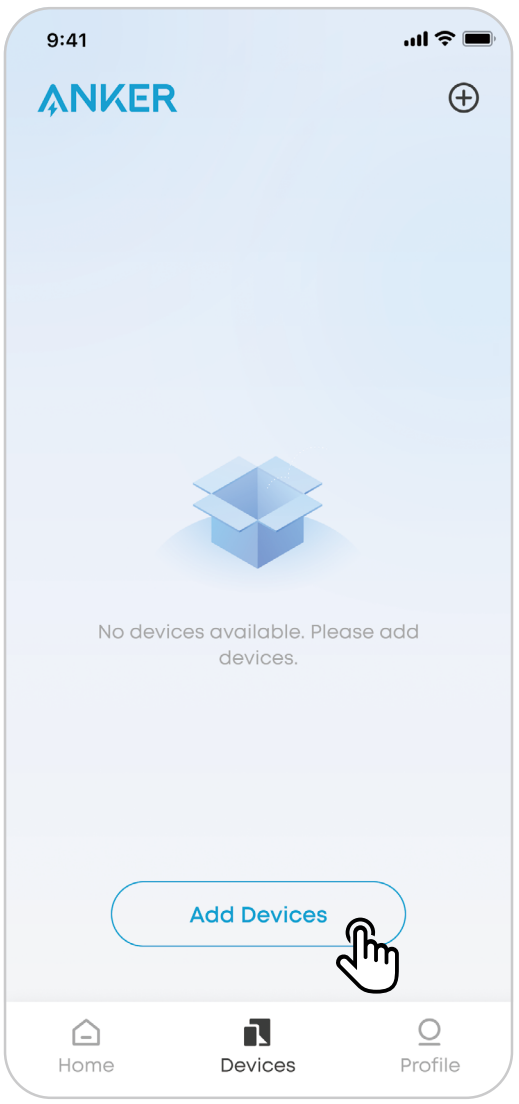
1. Download the Anker app from the App Store (iOS devices) or Google Play (Android devices), or by scanning the QR code.

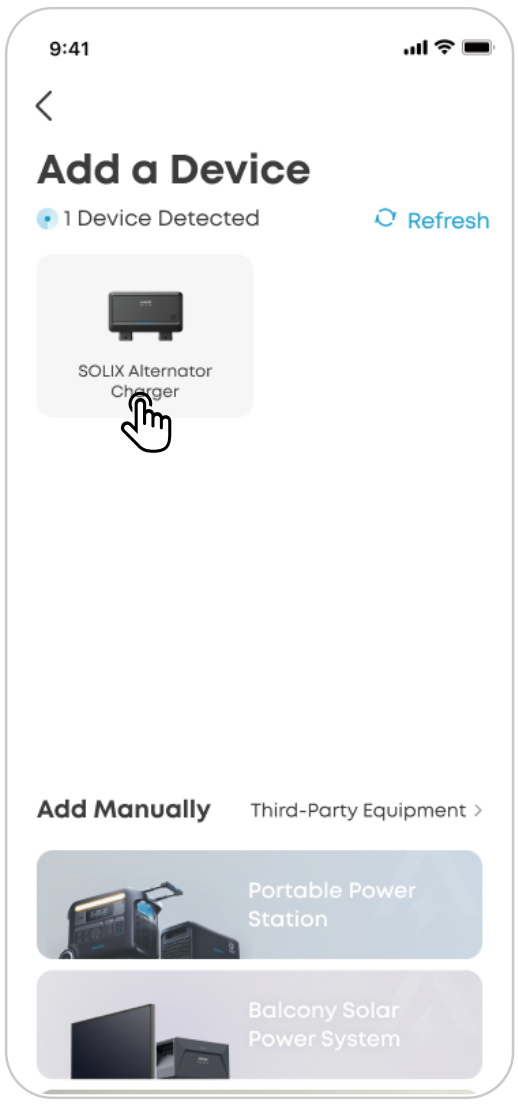
2. Sign in or create an account. Please be reminded that the country or region must match where you live. An incorrect country or region may cause the device connection to fail.

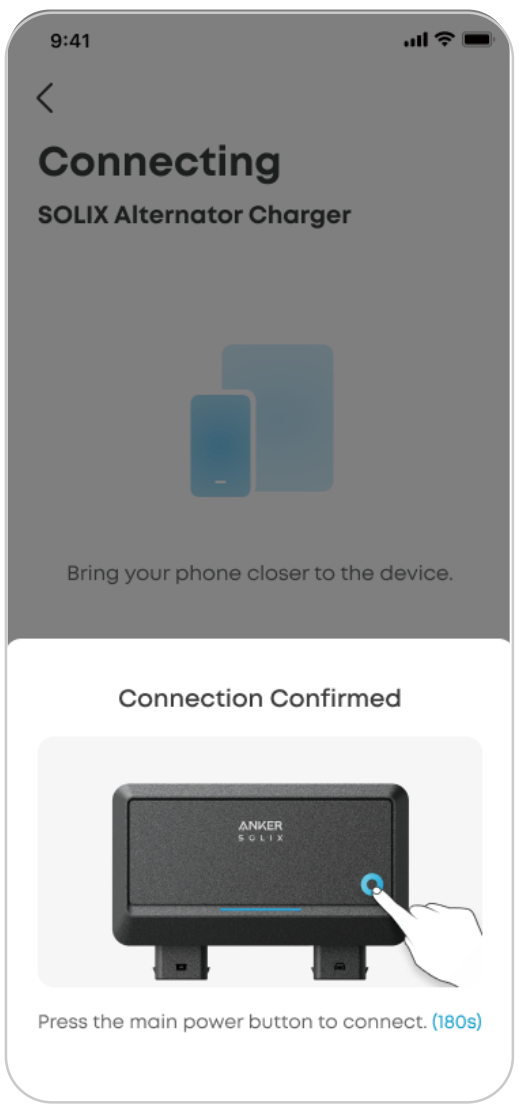


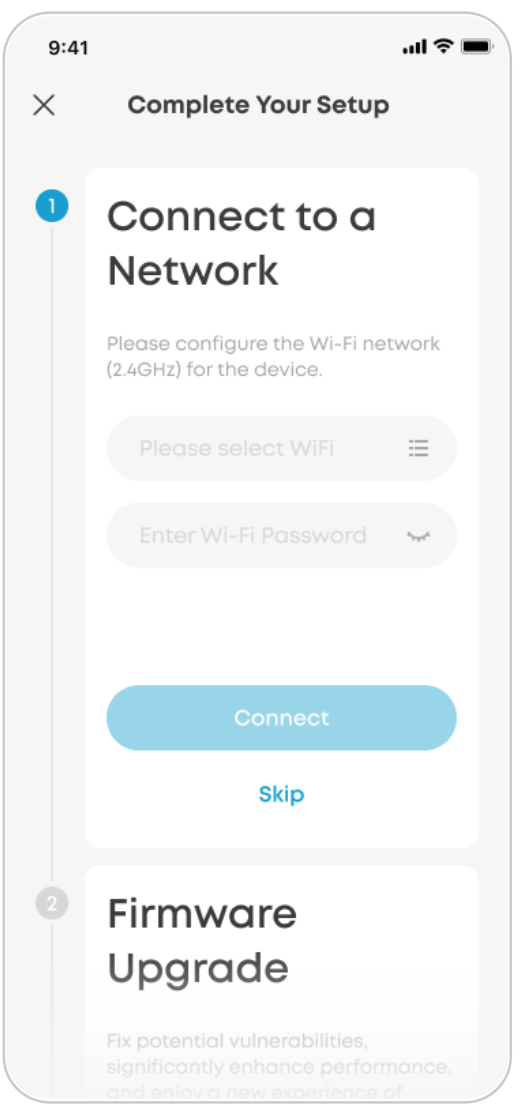
3. Follow the in-app instructions to add Anker SOLIX Alternator Charger, and update to the latest firmware version to enjoy the latest features.

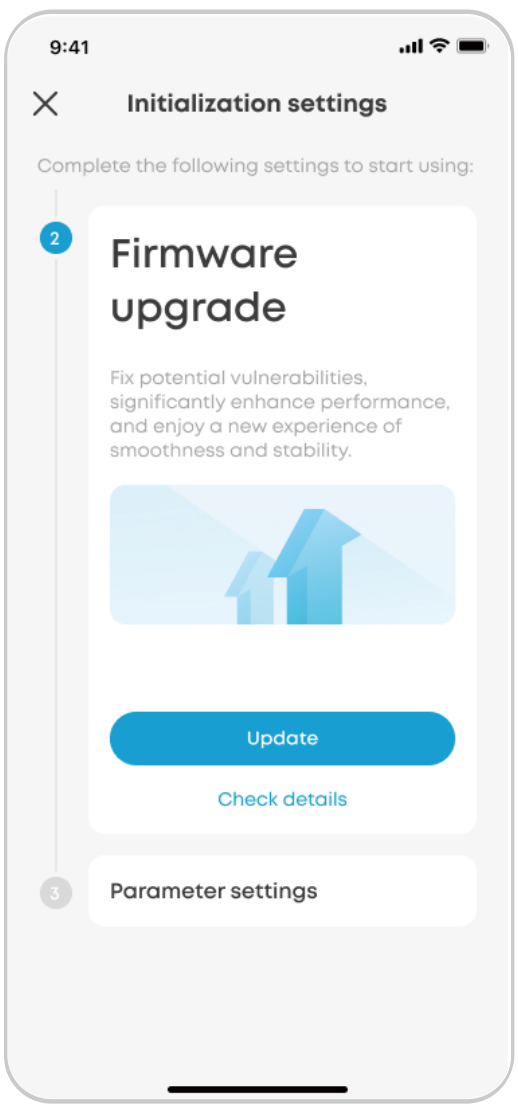








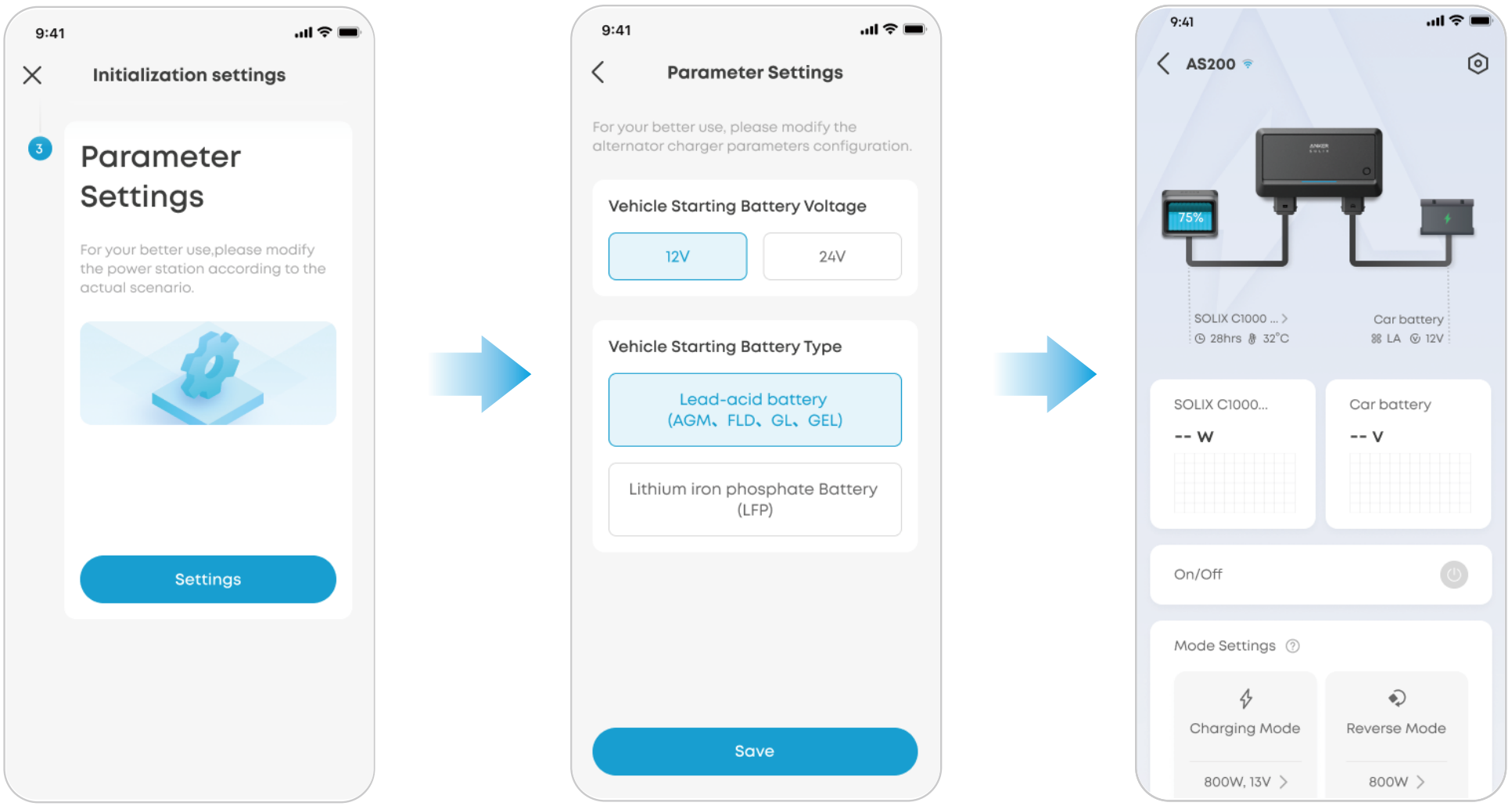




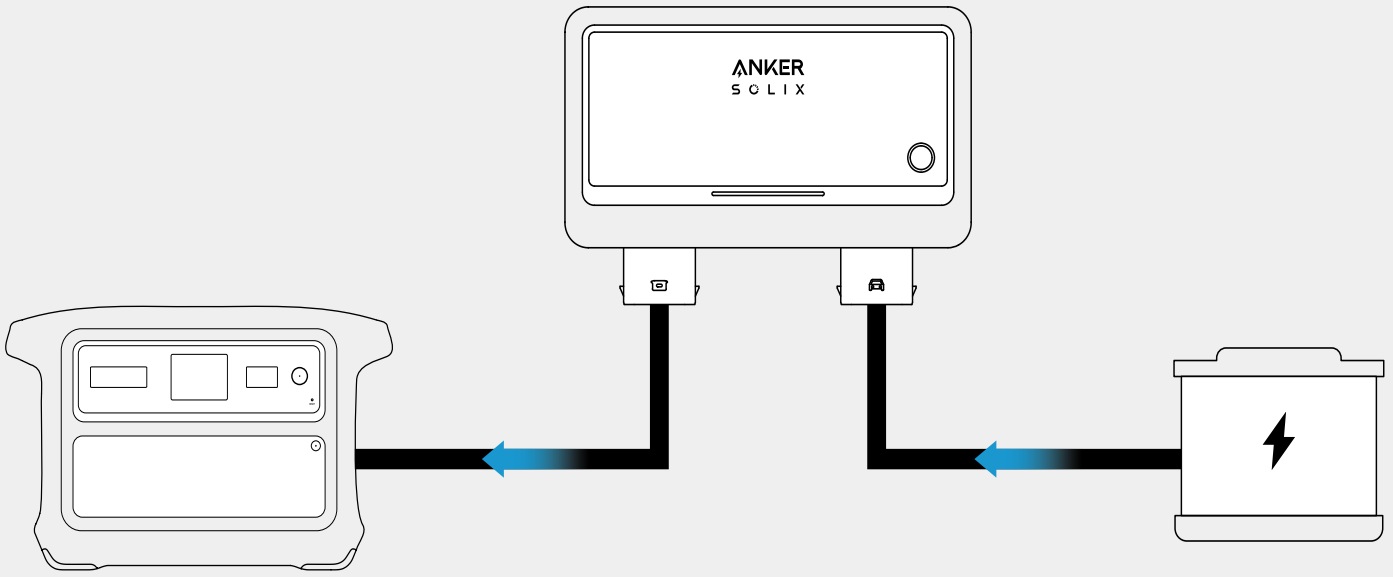
Initial Parameter Settings

Select your vehicle starting battery voltage and type before using the charger.

- Check the battery voltage and type information on your car battery before configuring settings.
- Incorrect parameters may lead to charging errors. After the initial setup, you may change the parameters in Settings in the Anker app if needed.
- The starting battery voltage for most vehicles is 12V. Some large-size vehicles, such as heavy duty trucks and buses, use 24V batteries.

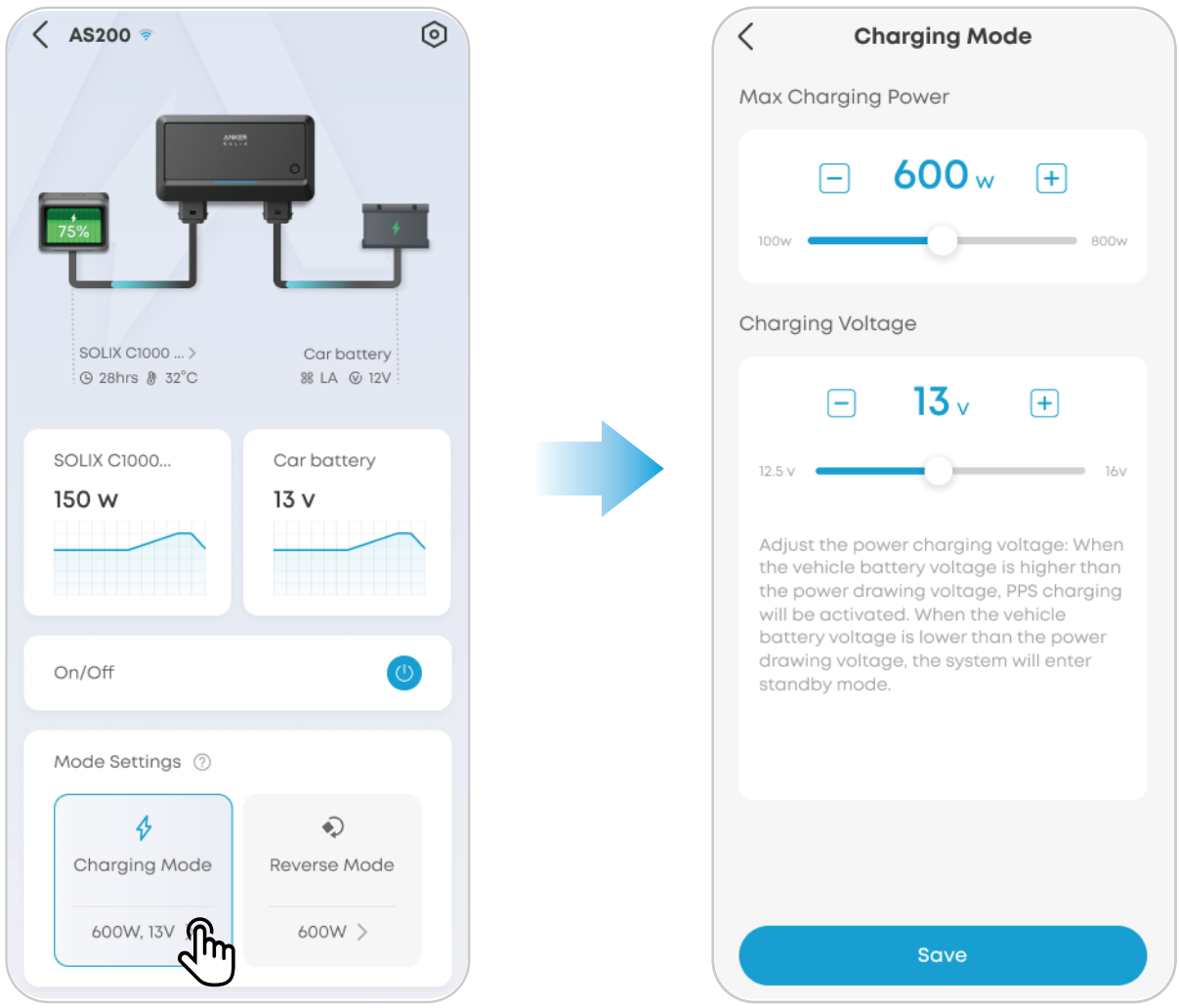


Charging Mode

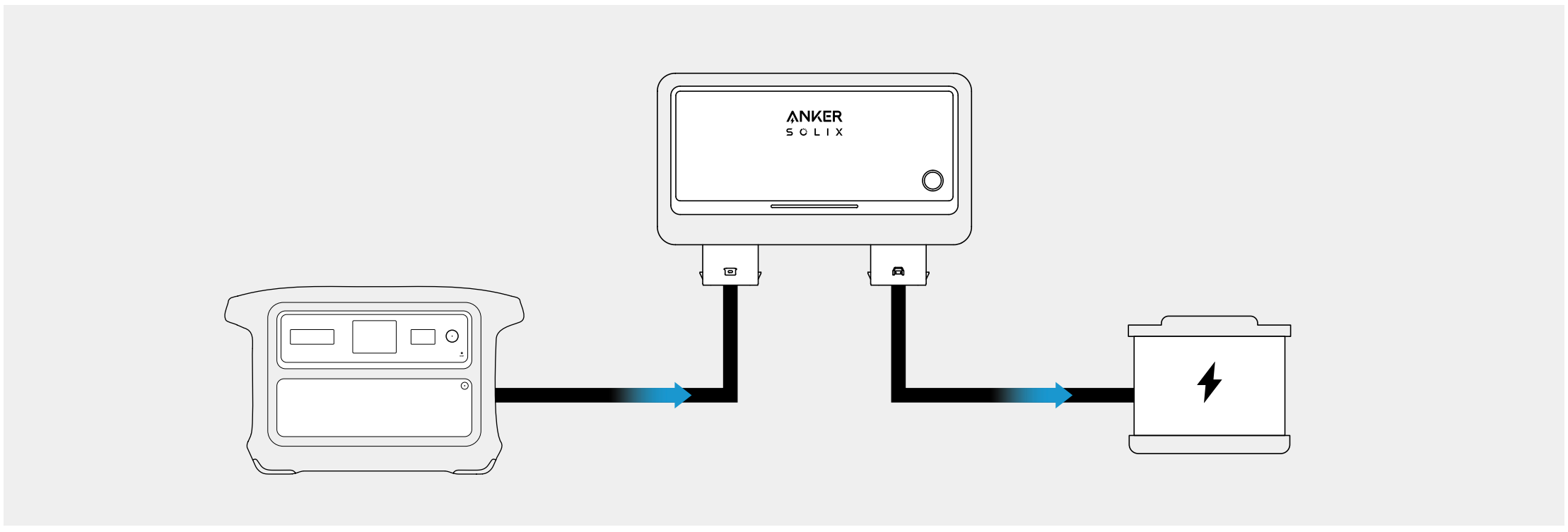


The car battery will charge your portable power station or expansion battery via the charger.

- The portable power station or expansion battery will be charged when the car battery voltage is higher than the preset value (which can be set in the Anker app). The default voltage is 13V or 26V. The charging will be suspended when car battery voltage is lower than the preset value.
- If the connected power station or expansion battery is also connected to solar panels or AC power, charging will prioritize solar and AC power.

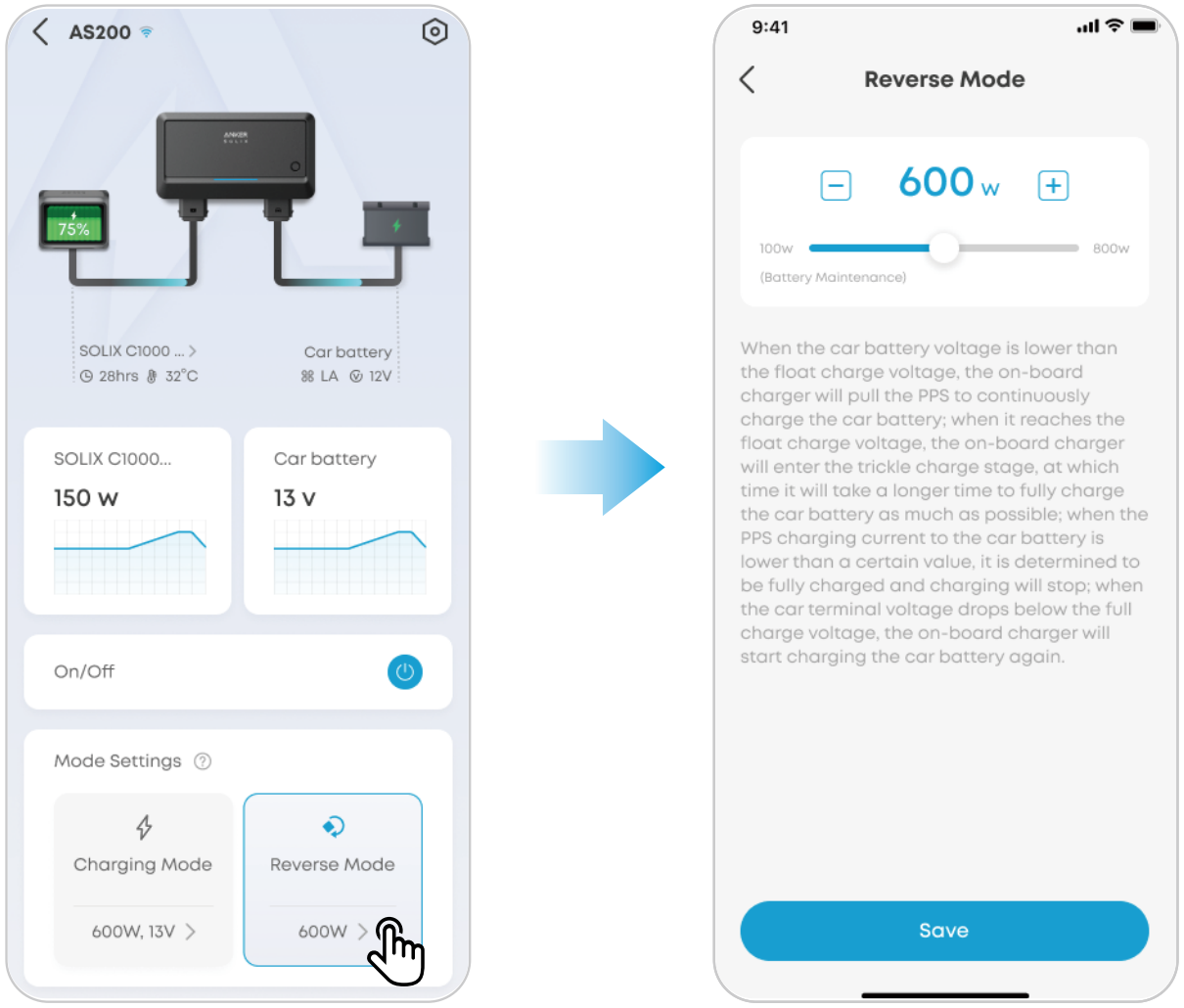


Reverse Mode



When the Reverse Mode is enabled, your power station will charge the car battery.

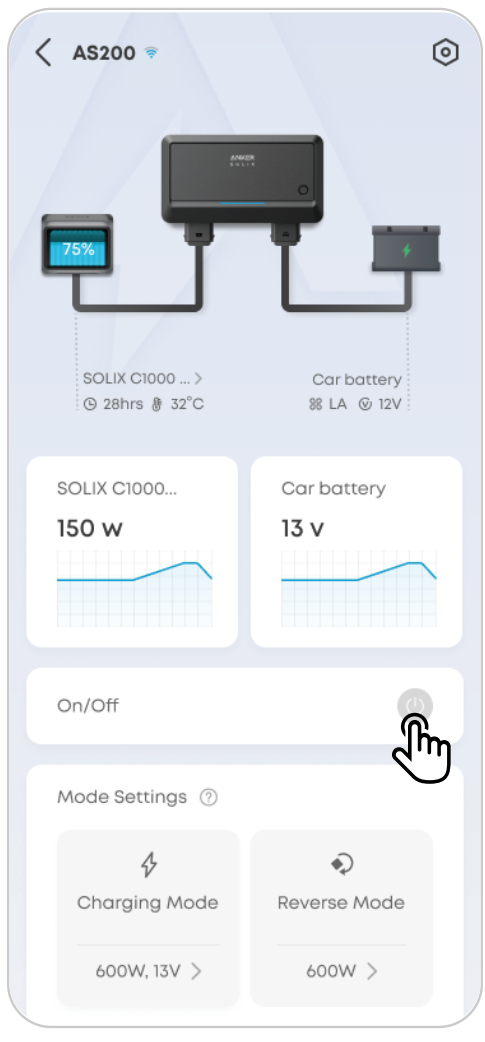
- This mode can only be enabled by connecting the power station with the Expansion Port Output Cable, which is not included in the standard package. You can purchase this cable in the Anker Accessory Store.
- This mode is unavailable when only the expansion battery is connected (without a power station).
- This mode is unavailable when your power station is recharged by AC power.



Wake Up the Charger

The charger automatically enters hibernation after a period of inactivity. You can wake it by tapping the main button in the Anker app. If no action is taken during hibernation, the charger will power off after 24 hours by default. You can adjust the hibernation duration in Settings in the Anker app.

The charger enters Charging Mode by default whenever it's woken up or powered on.



FAQ

1. What types of vehicle starter batteries are compatible with Anker SOLIX Alternator Charger?

Alternator Charger is compatible with LFP and lead-acid batteries, including AGM, FLD, GL, and GEL. After adding the device in the Anker app, simply select your vehicle's battery type.

2. Will Anker SOLIX Alternator Charger affect my vehicle's starter battery lifespan?

No. It continuously monitors the starter battery voltage and alternator output, using only surplus power (up to 800W) to prevent overload or over-discharge. With regular maintenance, it will not shorten your starter battery's lifespan.

3. What types of vehicles are compatible with Anker SOLIX Alternator Charger?

Alternator Charger is compatible with vehicles fitted with 12V or 24V starter batteries. It is not compatible with electric vehicles.

4. Do I need to install Anker SOLIX Alternator Charger in a fixed position inside my vehicle?

Alternator Charger can be installed in a fixed position inside the vehicle. As interior layouts vary between models, users can choose whether to mount it. If not mounted, Alternator Charger can simply be placed inside the vehicle for use.

5. Can Anker SOLIX Alternator Charger charge expansion batteries?

Yes. Alternator Charger can charge expansion batteries via the expansion port output cable. However, the expansion batteries must be connected to a portable power station for reverse charging to the vehicle's battery.

6. Can I connect a solar panel to the portable power station's XT60i port while using the Anker SOLIX Alternator Charger?

Yes. You can charge the portable power station with solar panels, while the power station can use the solar input to charge the vehicle's starter battery.

7. Can I connect two Anker SOLIX Alternator Chargers to one portable power station?

No. You cannot connect two Alternator Chargers to one portable power station.

8. How do I reset the Bluetooth or Wi-Fi connection?

Power off the charger, and then press and hold the main button for 7 seconds.

9. Why does the indicator flash red?

A flashing red indicator may indicate a product malfunction. Please contact customer support for assistance.

10. Can Anker SOLIX Alternator Charger operate normally when the vehicle interior temperature is high?

Alternator Charger is designed to operate within a temperature range of -20 °C to 60 °C (-4 °F to 140 °F). If the vehicle interior temperature exceeds 60 °C (140 °F), please wait until it drops below 60 °C (140 °F) before using Alternator Charger again.

Specifications

Vehicle Battery Port Input (Charging Mode)	12/24V ⎓ 80A Max
Power Station Port Output (Charging Mode)	12-60V ⎓ 25A Max, 800W Max
Power Station Port Input (Reverse Mode)	40-60V ⎓ 21A Max
Vehicle Battery Port Output (Reverse Mode)	11-28.8V ⎓ 70A Max, 800W Max
Dimensions (W × H × D)	218 × 119 × 68 mm / 8.58 × 4.69 × 2.68''
Net Weight	1.3 kg / 2.87 lb
Operating Temperature	-20°C to 60°C / -4°F to 140°F
Storage Temperature	-20°C to 85°C / -4°F to 185°F

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.

IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS - This manual contains important safety and operating instructions.

DANGER: RISK OF ELECTRIC SHOCK. Do not touch uninsulated portions of output connectors or uninsulated battery terminals.

WARNING: RISK OF EXPLOSIVE GAS MIXTURE. Read the following instructions before using the charger.

- CAUTION: Disconnect supply before charging fuse.
- Working in the vicinity of a lead-acid battery is dangerous. Batteries generate explosive gases during normal battery operation. For this reason, it is of the utmost importance that each time before using your charger, you read and follow the instructions provided exactly.
- To reduce risk of battery explosion, follow these instructions and those marked on the battery.
- Never smoke or allow an open spark or flame in the vicinity of the battery or engine.
- Never charge a frozen battery.
- If it is necessary to remove battery from vehicle to charge it, always remove the grounded terminal from the battery first. Make sure all accessories in the vehicle are powered off in order to prevent an electric arc.
- Study all battery manufacturer's specific precautions such as removing or not removing cell caps while while charging and recommended rates of charge.
- Do not use the battery charger unless the battery voltage matches the output voltage rating of the charger.
- Never place the charger directly above or below the battery being charged. Gases or fluids from the battery will corrode and damage the charger. Locate the charger as far away from the battery as DC cables permit.
- Do not operate the charger in a closed-in area or restrict ventilation in any way.

- Do not install on or over combustible surfaces.
- During charging mode, a suitable external over-current protective should be installed between vehicle battery and equipment input connector, The specifications of this over-current protective are at least: 65 volts direct current, 125 amperes.
- The input and output connectors are power disconnection devices. Make sure they can be easily accessed after installation.
- After the product is installed, except for the installation surface, the remaining 5 surfaces must be at least 10 cm away from the edge.
- The size of the ventilation opening should be at least 2 mm. After installation, there should be no obstructions at the location of the ventilation opening.

CONSIGNES DE SÉCURITÉ IMPORTANTES

CONSERVEZ CES INSTRUCTIONS - Ce manuel contient des instructions importantes concernant la sécurité et le fonctionnement.

DANGER: RISQUE DE CHOCS ÉLECTRIQUES. Ne pas toucher les parties non isolées du connecteur de sortie ou les bornes non isolées de l'accumulateur.

WARNING: RISK OF EXPLOSIVE GAS MIXTURE. Veuillez lire les instructions suivantes avant d'utiliser le chargeur.

- ATTENTION : Couper l'alimentation avant de remplacer les fusibles.
- Il est dangereux de travailler a proximité d'une batterie au plomb. Les batteries produisent des gaz explosifs en service normal. Il est aussi important de toujours relire les instructions avant d'utiliser le chargeur et de les suivre a la lettre.
- Pour réduire le risque d'explosion, lire ces instructions et celles qui figurent sur la batterie.
- Ne jamais fumer près de la batterie ou du moteur et éviter toute étincelle ou flamme nue à proximité de ces derniers
- Ne jamais charger une batterie gelée.
- S'il est nécessaire de retirer la batterie du véhicule pour la charger, toujours débrancher la borne de mise à la masse en premier. S'assurer que le courant aux accessoires du véhicule est coupé afin d'éviter la formation d'un arc électrique.
- Prendre connaissance des mesures de précaution spécifiées par le fabricant de la batterie, p. Ex., vérifier s'il faut enlever les bouchons des cellules lors du chargement de la batterie, et les taux de chargement recommandés.
- - Ne pas utiliser le chargeur à moins que la tension de la batterie ne soit identique à la tension de sortie nominale du chargeur.
- Ne jamais placer le chargeur directement sous la batterie à charger ou au-dessus de cette dernière. Les gaz ou les fluides qui s'échappent de la batterie peuvent entraîner la corrosion du chargeur ou l'endommager.Placer le chargeur aussi loin de la batterie que les cables C.C. le permettent.
- Ne pas faire fonctionner le chargeur dans un espace clos et/ou ne pas gêner la ventilation.
- Ne pas installer sur des surfaces combustibles ou au-dessus de telles surfaces.
- Pendant le mode de charge, un dispositif externe de protection contre les surintensités approprié doit être installé entre la batterie du véhicule et le connecteur d'entrée de l'équipement. Les spécifications de ce dispositif de protection contre les surintensités sont au minimum : 65 volts en courant continu, 125 ampères.
- Les connecteurs d'entrée et de sortie sont des dispositifs de déconnexion d'alimentation. Assurez-vous qu'ils puissent être facilement accessibles même après l'installation.
- Après l'installation du produit, à l'exception de la surface d'installation, les 5 autres surfaces doivent se trouver à au moins 10 cm du bord.
- La taille de l'ouverture de ventilation doit être d'au moins 2 mm. Après l'installation, il ne doit y avoir aucune obstruction à l'emplacement de l'ouverture de ventilation.