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Anker A1783

Anker SOLIX C2000 Gen2 Portable Power Station & 200W Bifacial Panel User Manual

Model: A1783

Introduction

This manual provides essential instructions for the safe and efficient operation of your Anker SOLIX C2000 Gen2 Portable Power Station and accompanying 200W Bifacial Solar Panels. This system is designed to provide reliable power for home, outdoor activities, and emergencies, featuring a 2,048Wh LFP battery, 2,400W rated output (4,000W peak), and versatile charging options. Please read this manual thoroughly before use and retain it for future reference.



The Anker SOLIX C2000 Gen2 Portable Power Station and two 200W Bifacial Solar Panels.

What's in the Box

Your Anker SOLIX C2000 Gen2 system is shipped in two separate packages. Please verify all components upon receipt.

- **Package 1: Anker SOLIX C2000 Gen2 Portable Power Station**
  - Anker SOLIX C2000 Gen2 Portable Power Station
  - AC charging cable
  - Quick start guide
  - Safety and warranty card
- **Package 2: PS200 Bifacial Portable Solar Panel (x2)**
  - PS200 Bifacial Portable Solar Panel ×2

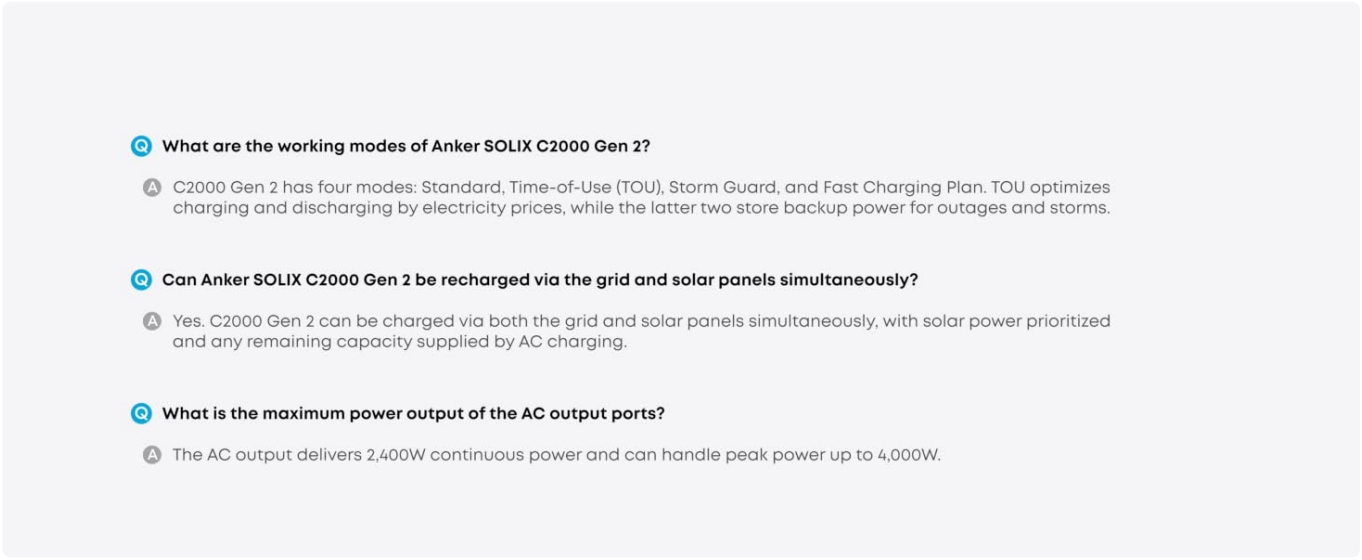
- 8.2 ft (2.5 m) solar charging cable ×2
- 1.6 ft (0.5 m) XT60i solar charging cable ×1
- Quick start guide
- Safety card



The Anker SOLIX C2000 Gen2 Portable Power Station and its included accessories.

Product Overview

The Anker SOLIX C2000 Gen2 is a robust portable power station featuring a 2,048Wh LiFePO4 battery, capable of delivering 2,400W continuous power and up to 4,000W peak power. It is designed for versatility, offering 10 output ports to power a wide range of devices. The included PS200 Bifacial Portable Solar Panels are lightweight, foldable, and IP68-rated for durability, generating power from both sides for enhanced efficiency.



The Anker SOLIX C2000 Gen2 is designed to be compact and portable, making it easy to transport for various uses.

Setup

1. **Unboxing and Inspection:** Carefully remove all components from their packaging. Inspect for any signs of damage.
2. **Initial Charge:** For optimal performance, fully charge the power station before its first use. Connect the AC charging cable to a wall outlet.
3. **Solar Panel Connection:** If using solar panels, unfold them and position them to maximize sun exposure. Connect the solar charging cables to the power station's PV/XT-60i input port.



The 200W Bifacial Solar Panels can be easily unfolded and positioned for charging.

Unboxing Video

▶ **Watch video online**

Anker SOLIX C2000 Gen 2 | Efficient Power, Backup Longer

Official video demonstrating the unboxing and initial setup of the Anker SOLIX C2000 Gen2.

Charging the Power Station

The Anker SOLIX C2000 Gen2 offers multiple charging methods to ensure you always have power when you need it. It can achieve a 100% charge in just 58 minutes using AC and solar input simultaneously.

- **AC + Solar Recharge:** 2,600W input, 100% in 58 minutes.
- **AC Input:** 1,800W input, 100% in 88 minutes.
- **Solar Input:** 800W input, 100% in 3 hours.
- **Alternator Charger:** 800W input, 100% in 3 hours.
- **Car Input:** 100W input, 100% in 23 hours.
- **Gas Generator:** 1,800W input, 100% in 88 minutes.

Important Note:
Always use the standard Anker SOLIX AC charging cable. Incompatible third-party cables may cause damage to the power station.



Overview of the six charging methods and their approximate charging times.



The 800W UltraFast Alternator Charging provides efficient vehicle battery recharge and seamless RV expansion.

Operating the Power Station

The Anker SOLIX C2000 Gen2 is designed to power a wide array of appliances with its 2,400W rated output and 4,000W peak power. It features 10 output ports for maximum versatility.

Output Ports

The power station includes the following output ports:

- 5 x AC Output (1,800W total)
- 1 x TT-30 Port (2,400W)
- 2 x USB-C (140W total)
- 1 x USB-C (15W)
- 1 x USB-A (12W)

Anker SOLIX C2000 Gen 2 Portable Power Station Tech Specs

Battery Type	LFP	**Car Charger Output**	12V⎓10A
Cell Capacity	51.2V / 40,000mAh / 2,048Wh	**USB-A Output**	5V⎓2.4A, 12W Max
Cycle Life	4,000 Cycles	**USB-C Output**	USB-C1 & C2 Output: 5V⎓3A/ 9V⎓3A/ 12V⎓3A/ 15V⎓3A/ 20V⎓5A/ 28V⎓5A (140W Max.) USB-C3 Output: 5V⎓3A (15W Max.)
AC Input (AC Charging Cable)	120V~ 15A Max (< 3 Hr), 1,800W Max, 12A (Continuous), 60 Hz, L+N+PE	**Recharging Temperature**	-4°F - 104°F / -20°C - 40°C
PV / XT-60i Input	11-60V⎓17A Max, 800W	**Charging Temperature**	32°F - 104°F / 0°C - 40°C
AC Output (NEMA 5-20R)	120V~ 20A Max, 60 Hz, 2,400W Max	**Dimensions**	18.1 × 9.8 × 10.1" (459 × 250 × 257 mm)
AC Output (TT-30R)	120V~ 20A Max, 60 Hz, 2,400W Max	**Net Weight**	41.7 lb (18.9 kg)
AC Surge Power	3,000W	**UPS**	10 ms
Peak Power	4,000W		

The Anker SOLIX C2000 Gen2 features 10 ports to power multiple devices simultaneously.

Expandable Capacity

Expand the power station's capacity by adding an expansion battery (sold separately) to reach up to 4kWh. This allows for extended runtime, such as powering a dual-door fridge for up to 64 hours.

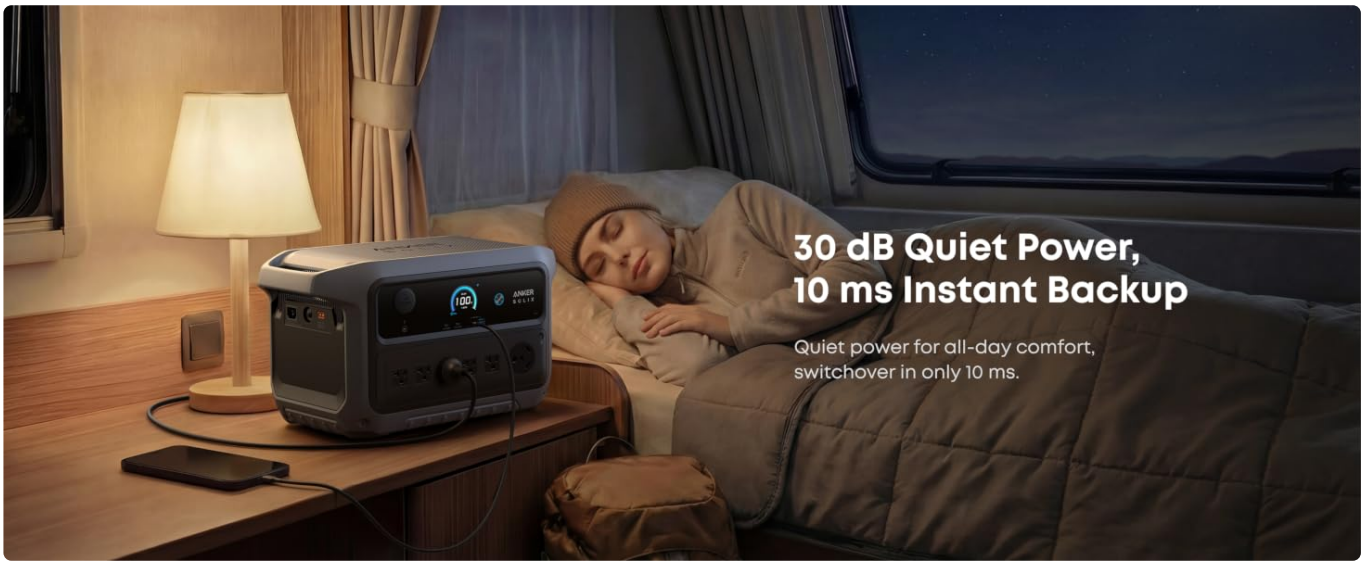


Expandable capacity allows for longer power supply by adding an additional battery.

Efficient Power Consumption (OptiSave Technology)

The power station utilizes OptiSave Technology, consuming only 9W on standby. This ultra-efficient design allows for

longer runtimes, such as powering a dual-door fridge for up to 32 hours.



OptiSave Technology ensures minimal power consumption for extended use.

Quiet Operation and Instant Backup

Enjoy quiet power with a noise level of only 30 dB, ensuring comfort in any setting. The power station also provides instant backup with a 10 ms switchover time, protecting your sensitive electronics during power outages.





The power station operates quietly and provides instant backup power.

Anker App Integration

Connect your Anker SOLIX C2000 Gen2 to the Anker app via Wi-Fi or Bluetooth for enhanced control and monitoring. The app allows you to view and manage your power from your fingertips.

- **Storm Guard Mode:** Auto-charge during weather alerts to ensure you are prepared for outages.
- **Time-of-Use Mode and PV Priority:** Optimize charging and discharging based on electricity prices and prioritize solar power to reduce reliance on the grid.



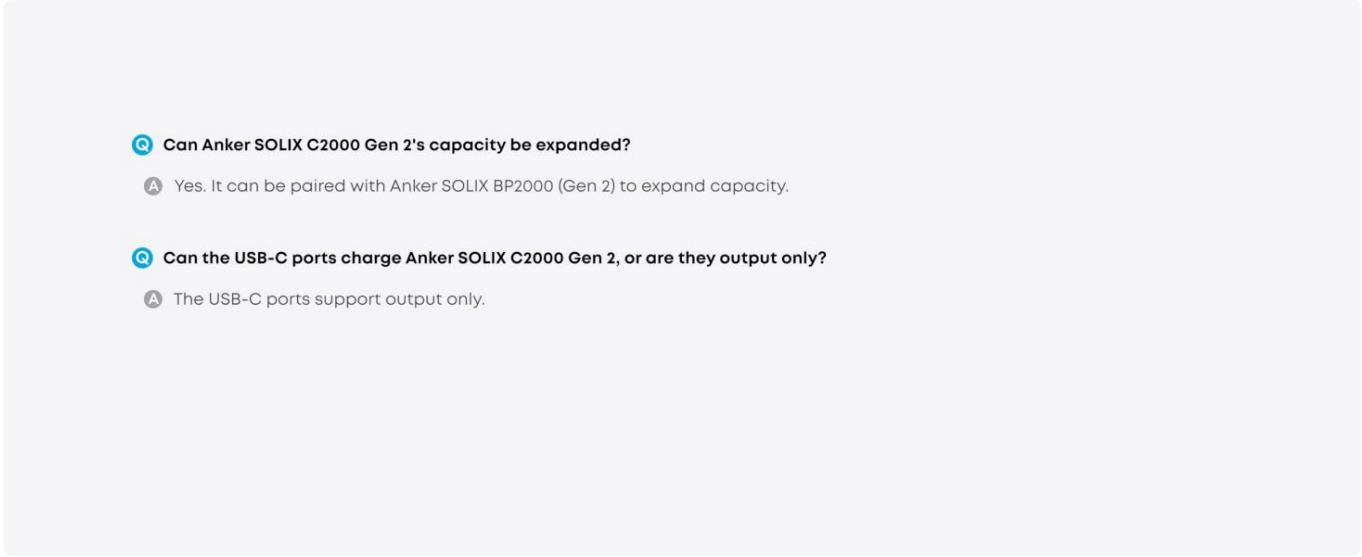
The Anker app provides smart features like Storm Guard Mode and energy management.

Runtime Examples

The Anker SOLIX C2000 Gen2 can power a variety of appliances for extended periods. Actual runtimes may vary based on usage and device power consumption.

Home & Emergency Use

- Dual-door Fridge (100W): 15-32 hours
- Sump Pump (300W): 5.7 hours
- Wi-Fi Router (10W): 105 hours
- Laptop (60W): 26.6 hours
- Television (100W): 16.6 hours
- Window AC (800W): 2.2 hours
- Dehumidifier (500W): 3.6 hours



Power your essential home appliances during outages.



Reliable power for critical home systems like sump pumps.

Outdoor & Recreational Use

- Projector (60W): 26.6 hours
- Lights (10W): 105 hours
- Electric Grill (1,500W): 1.2 hours
- Mini Cooler (60W): 65.7 hours
- Drone (2,453mAh): 65.7 charges
- Fans (80W): 20.5 hours



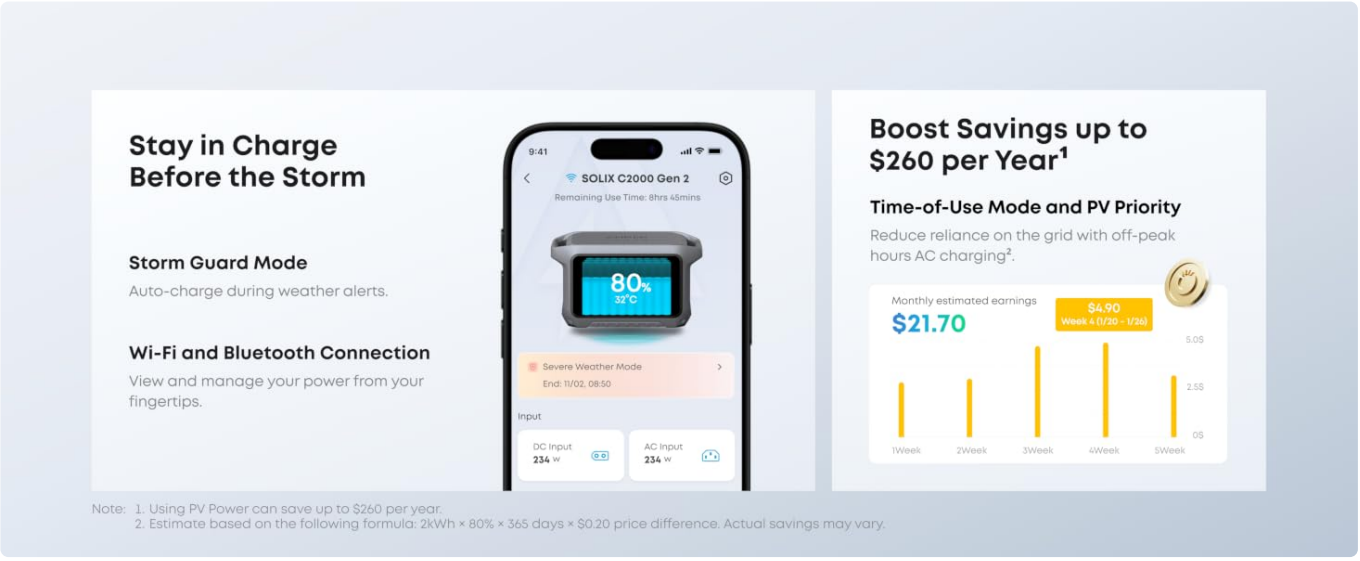
Power your outdoor adventures and entertainment.



Keep your outdoor gear powered and ready.

Tool Use

- Electric Chainsaw (1,500W): 1.2 hours
- Electric Drill (800W): 2.2 hours
- Angle Grinder (800W): 1.8 hours
- Electric Screwdriver (150W): 11.5 hours

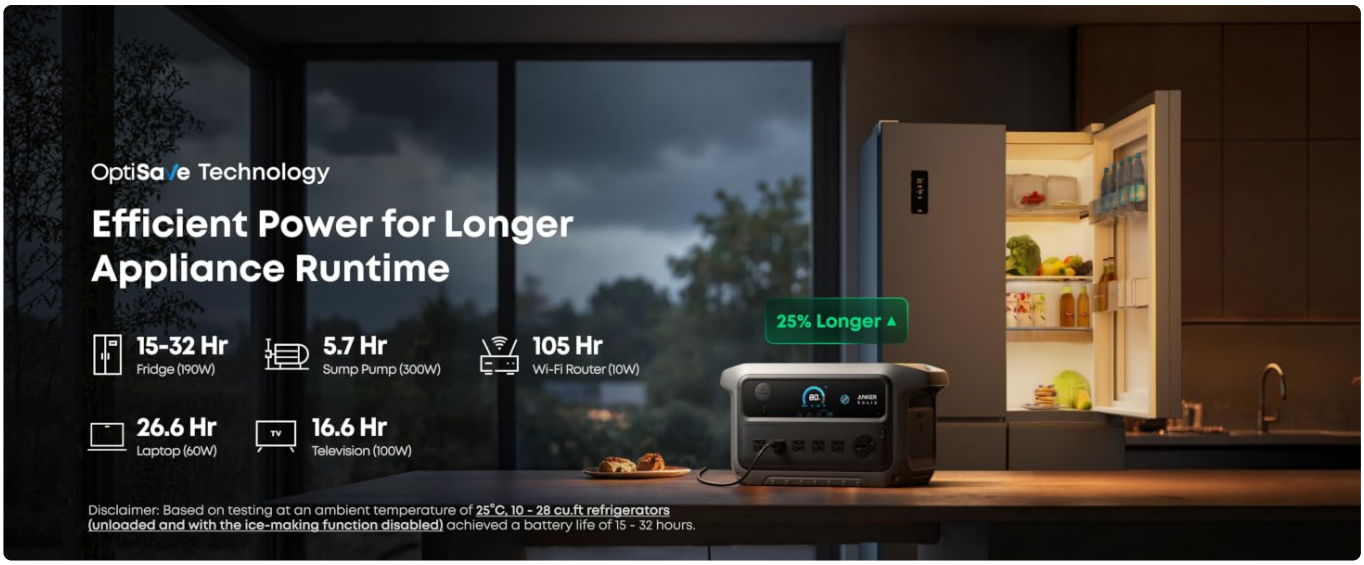


Power your tools for DIY projects or professional work.

Maintenance

The Anker SOLIX C2000 Gen2 is equipped with a durable LiFePO4 battery, designed for a long lifespan. Proper care ensures optimal performance and longevity.

- **Battery Lifespan:** The LiFePO4 battery is rated for 4,000 cycles to 80% capacity, providing a lifespan of approximately 10 years with typical use.
- **Storage:** Store the power station in a cool, dry place away from direct sunlight and extreme temperatures.
- **Recharge Frequency:** For prolonged storage, recharge the unit to 50-80% every 3-6 months.
- **Cleaning:** Use a dry, soft cloth to clean the exterior. Avoid using harsh chemicals or abrasives.



The LiFePO4 battery offers a long and reliable lifespan.

Troubleshooting (FAQs)

Here are answers to some common questions regarding the Anker SOLIX C2000 Gen2:

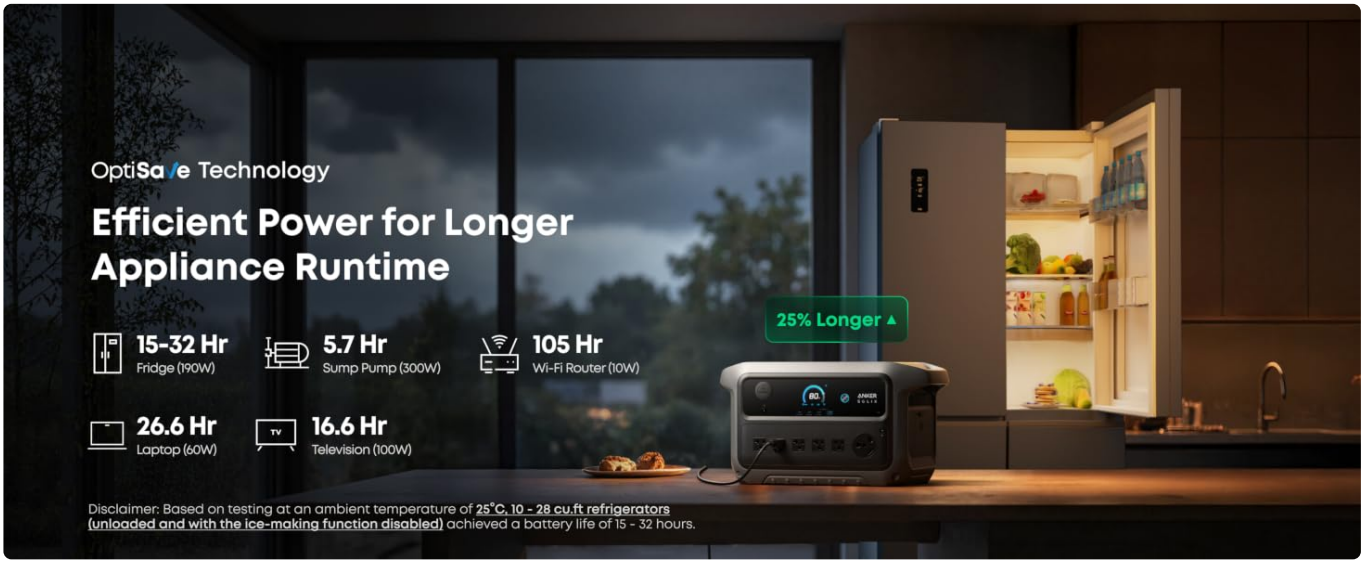
- **What are the working modes of Anker SOLIX C2000 Gen 2?**
  C2000 Gen 2 has four modes: Standard, Time-of-Use (TOU), Storm Guard, and Fast Charging Plan. TOU optimizes charging and discharging by electricity prices, while the latter two store backup power for outages and storms.
- **Can Anker SOLIX C2000 Gen 2 be recharged via the grid and solar panels simultaneously?**
  Yes. C2000 Gen 2 can be charged via both the grid and solar panels simultaneously, with solar power prioritized and any remaining capacity supplied by AC charging.
- **What is the maximum power output of the AC output ports?**
  The AC output delivers 2,400W continuous power and can handle peak power up to 4,000W.
- **Can Anker SOLIX C2000 Gen 2's capacity be expanded?**
  Yes. It can be paired with an Anker SOLIX BP2000 (Gen 2) to expand capacity.
- **Can the USB-C ports charge Anker SOLIX C2000 Gen 2, or are they output only?**
  The USB-C ports support output only.

Specifications

Detailed technical specifications for the Anker SOLIX C2000 Gen2 Portable Power Station:

Feature	Specification
Battery Type	LFP
Cell Capacity	51.2V / 40,000mAh / 2,048Wh
Cycle Life	4,000 Cycles
AC Input (AC Charging Cable)	120V~ 15A Max (3 Hr), 1,800W Max, 12A (Continuous), 60 Hz, L+N+PE

Feature	Specification
PV / XT-60i Input	11-60V 17A Max, 800W
AC Output (NEMA 5-20R)	120V~ 20A Max, 60 Hz, 2,400W Max
AC Output (TT-30R)	120V~ 20A Max, 60 Hz, 2,400W Max
AC Surge Power	3,000W
Peak Power	4,000W
Car Charger Output	12V 10A
USB-A Output	5V 2.4A, 12W Max
USB-C Output	USB-C1 & C2 Output: 5V 3A / 9V 3A / 12V 3A / 15V 3A / 20V 5A / 28V 5A (140W Max.) USB-C3 Output: 5V 3A (15W Max.)
Recharging Temperature	-4°F - 104°F / -20°C - 40°C
Charging Temperature	32°F - 104°F / 0°C - 40°C
Dimensions (L x W x H)	18.1 × 9.8 × 10.1 inches (459 × 250 × 257 mm)
Net Weight	41.7 lb (18.9 kg)
UPS	10 ms



Comprehensive technical specifications for the power station.

Warranty and Support

The Anker SOLIX C2000 Gen2 Portable Power Station comes with a**5-year manufacturer warranty**. For warranty claims, technical support, or additional product information, please visit the official Anker website or contact their customer service directly. Ensure you have your product model number (A1783) and proof of purchase available when seeking support.

For more information, visit: Anker Official Website

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