

Anker A17C3

Anker SOLIX Balcony Power Plant User Manual

Model: E1600 Plus+890W

1. PRODUCT OVERVIEW

The Anker SOLIX Balcony Power Plant with Storage is a comprehensive solar energy solution designed to maximize your energy independence and reduce electricity costs. It efficiently stores excess solar energy generated during the day for use at night or during periods of low sunlight, significantly increasing your self-consumption rate.

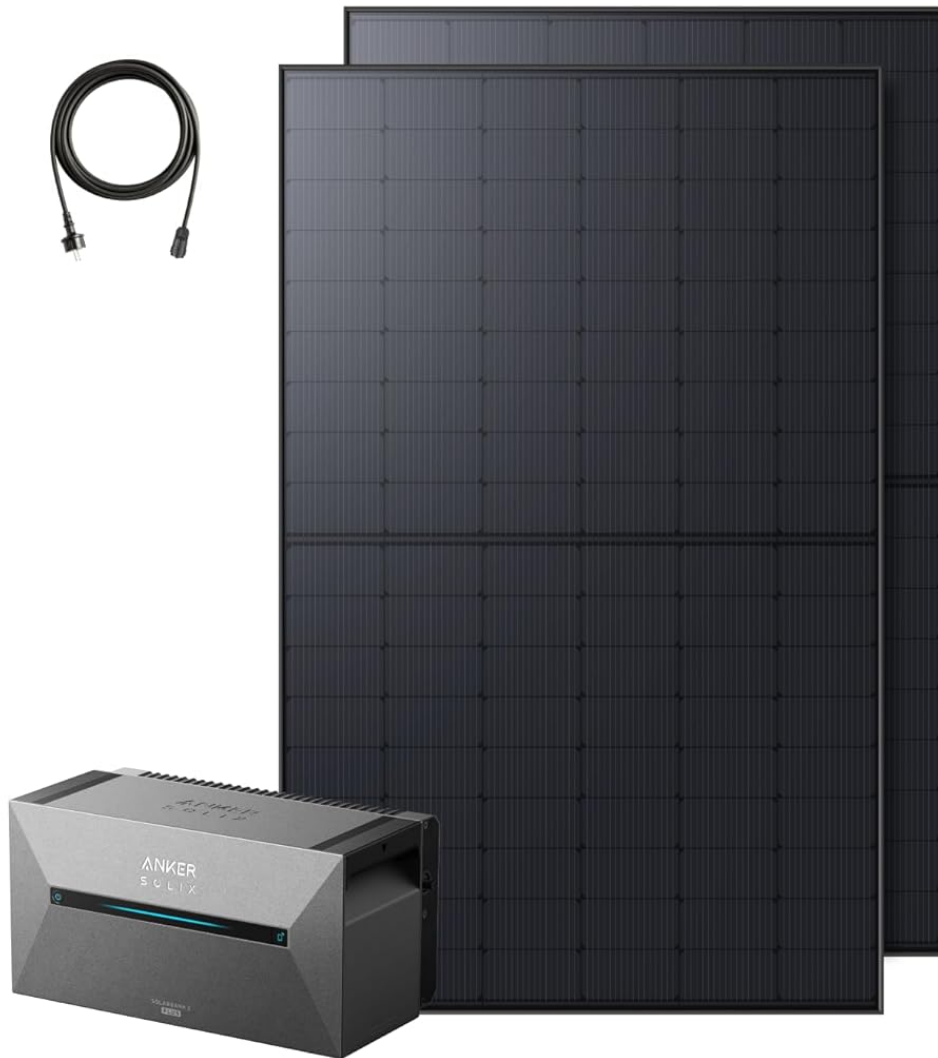


Figure 1: Overview of the Anker SOLIX Balcony Power Plant components, including the Solarbank 2 E1600 Plus, two RS40T solar panels, and the necessary charging cable.

2. WHAT'S IN THE BOX

Your Anker SOLIX Balcony Power Plant package includes the following components:

- 1x Solarbank 2 E1600 Plus Balcony Power Plant Storage Unit

- 2x RS40T Solar Panels
- 1x 5m Schuko Charging Cable
- 4x 3m Solar Panel Extension Cables
- Installation Accessories
- Instruction Manual (this document)

3. SETUP AND INSTALLATION

The Anker SOLIX Balcony Power Plant is designed for Plug&Play installation, making setup straightforward. Follow these general steps for installation:

1. **Unpack Components:** Carefully remove all items from the packaging and verify against the 'What's in the Box' list.
2. **Position Solar Panels:** Place the RS40T solar panels in an area with maximum sun exposure. Ensure they are securely mounted according to local regulations and best practices.
3. **Connect Solar Panels to Solarbank:** Use the provided solar panel extension cables to connect the solar panels to the Solarbank 2 E1600 Plus. The system features 2 MPPT inputs for efficient energy harvesting from up to two solar panels.
4. **Connect Solarbank to Grid:** Plug the 5m Schuko charging cable from the Solarbank into a standard household outlet. This enables the system to feed power into your home grid.
5. **App Integration:** Download the Anker app on your smartphone. Follow the in-app instructions to connect your Solarbank 2 E1600 Plus for real-time monitoring and control.

All-in-One Design für eine schnelle Installation

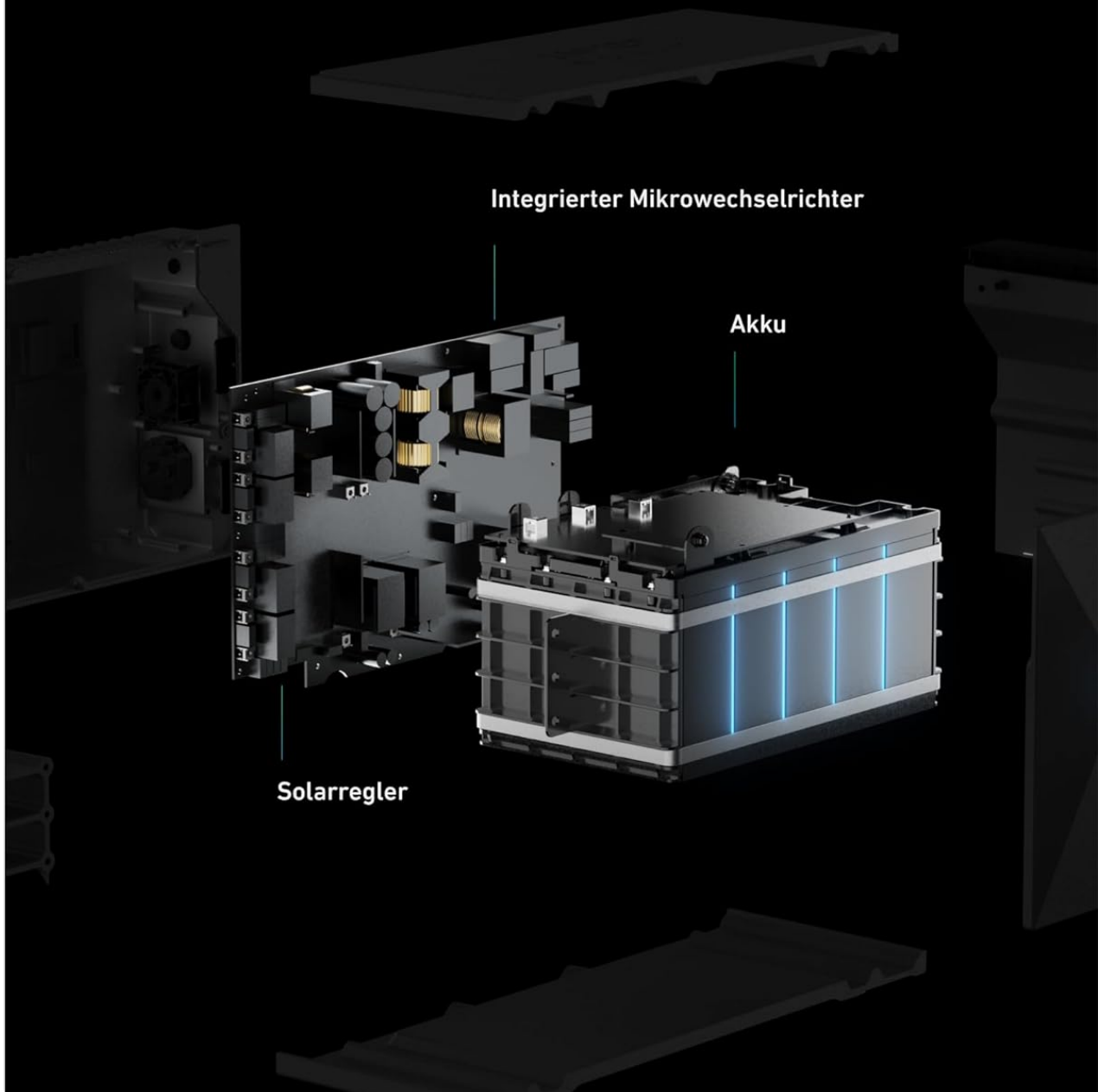


Figure 2: The all-in-one design simplifies installation by integrating the micro-inverter, battery, and solar controller into a single unit.

Erweiterbares Modul-Design

Dank des modularen Designs kannst du Zusatzakkus stapeln und sie ohne zusätzliche Kabel mit dem Hauptsystem verbinden.



Figure 3: The modular design allows for easy expansion of storage capacity by stacking additional battery units.

4. OPERATING INSTRUCTIONS

The Anker SOLIX Balcony Power Plant is designed for intelligent energy management, optimizing your solar energy usage.

Energy Storage and Self-Consumption

The Solarbank 2 Plus automatically stores excess electricity generated by your solar panels during peak production hours. This stored energy is then discharged when solar production is low or demand is high, such as during the evening or night. This process significantly increases your self-consumption rate from approximately 40% to up to 97%, leading to substantial annual savings on your electricity bill.

Rüste dein Balkonkraftwerk auf und nutze Solarenergie sogar nachts



Spare **236€** mehr als mit
Solarpanelen allein



Hinweis: Jährliche Rendite des Systems: $1034\text{kWh} \times 97\% \times 0,40\text{€/kWh} = 392\text{€}$.
Jährliche Rendite des Panels: $1034\text{kWh} \times 40\% \times 0,40\text{€/kWh} = 165\text{€}$.

Figure 4: Utilize solar energy even at night, leading to increased savings.

Smart Energy Distribution

For optimal energy management and to prevent energy waste, the system can be integrated with an Anker SOLIX Smart Meter or Smart Plugs. The Smart Meter provides real-time electricity consumption monitoring (within 3 seconds), allowing the Solarbank to intelligently deliver power precisely when and where it's needed, ensuring zero energy waste.

Für eine intelligentere Stromverteilung



10W
Präzision



3 Sekunden
Reaktionszeit



Kombiniere die Solarbank 2 Serie mit Anker SOLIX Smart Meters und Smart Plugs.
Du kannst auch *Shelly* 3EM oder Pro 3EM verwenden.

Figure 5: Intelligent power distribution with Anker SOLIX Smart Meters and Smart Plugs.

Monitoring with the Anker App

The Anker app provides comprehensive control and monitoring capabilities. You can track your energy data, view real-time power generation and consumption, and manage system settings from anywhere.



Figure 6: Monitor and control your system with the Anker app.

5. MAINTENANCE

The Anker SOLIX Balcony Power Plant is designed for durability and minimal maintenance. Both the Solarbank 2 Plus and the RS40T solar panels are built to withstand various environmental conditions.

- **Weather Resistance:** The Solarbank 2 Plus has an IP65 rating, making it water and dust resistant. The RS40T solar panels have an IP68 rating, offering superior water and dust protection.
- **Temperature Range:** The system is designed to operate effectively in temperatures as low as -20°C.
- **Cleaning:** Periodically clean the surface of the solar panels with a soft cloth and water to ensure optimal sunlight absorption. Ensure the Solarbank unit is free from dust and debris.
- **Visual Inspection:** Regularly inspect all cables and connections for any signs of wear or damage.

Langlebige Stromversorgung

15
Jahre

15 Jahre
Lebensdauer

10
Jahre

10 Jahre
Herstellergarantie

LFP
6000

6000
Ladezyklen

IP65

Wasserdicht
& staubfest

30
Jahre

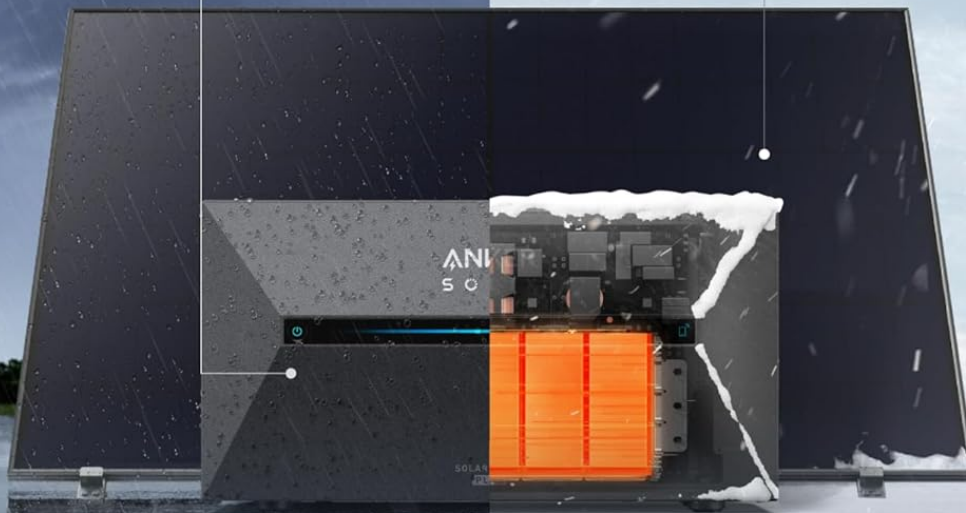
30 Jahre
Lebensdauer

15
Jahre

15 Jahre
Herstellergarantie

IP68

Wasserdicht &
staubfest



Hinweis: Setbestellungen werden in zwei bis drei Paketen verschickt und innerhalb des angegebenen Versandzeitraums versendet.

Figure 7: Durability features of the Anker SOLIX system, including IP65/IP68 ratings and long cycle life.

6. TROUBLESHOOTING

If you encounter any issues with your Anker SOLIX Balcony Power Plant, please refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No power output from Solarbank.	Solar panels not connected, insufficient sunlight, Solarbank not plugged in, or system error.	Check all cable connections. Ensure panels are in direct sunlight. Verify the Solarbank is plugged into a working outlet. Check the Anker app for error messages.
Low energy production.	Shading on panels, dirty panels, or cloudy weather.	Clear any shading. Clean solar panels. Production will naturally be lower on cloudy days.
App not connecting to Solarbank.	Bluetooth/Wi-Fi issues, incorrect pairing, or app outdated.	Ensure Bluetooth and Wi-Fi are enabled on your device. Restart the Solarbank and your device. Re-pair the device in the app. Update the Anker app to the latest version.

If the problem persists after attempting these solutions, please contact Anker customer support for further assistance.

7. SPECIFICATIONS

Feature	Specification
Manufacturer	Anker
Model Number	A17C3
Item Weight	21.2 Kilograms
Product Dimensions (Solarbank)	46 x 25 x 25.4 cm
Color	Dark Gray
Material	Crystalline Silicon, Glass, Aluminum
Maximum Power (System)	890 Watts
Storage Capacity (Solarbank 2 E1600 Plus)	1600Wh
Maximum Expandable Capacity	9.6kWh (with additional batteries)
MPPT Inputs	2 (up to 1200W total, 600W per MPPT)
Battery Type	LiFePO4
Battery Cycle Life	6,000 cycles
Water & Dust Resistance (Solarbank)	IP65
Water & Dust Resistance (Solar Panels)	IP68

Feature	Specification
Operating Temperature	Down to -20°C
Connector Type	MC4

Anker SOLIX Solarbank 2 E1600 Plus	
MPPT Eingang	2 MPPT (1200W)
Speicherkapazität	1600Wh
Lebensdauer & Herstellergarantie	15 Jahre & 10 Jahre
Wasserschutz	IP65
Konnektivität	Bluetooth, WLAN (2,4GHz)
Ladetemperatur & Entladetemperatur	-20°C bis 55°C
Abmessungen	460 x 250 x 254mm
Gewicht	21,2kg
Akkutyp	LiFePO4
Netzverbundener AC-Anschluss	800W
Betriebsspannung	16-60VDC
Maximaler PV-Eingangsstrom	16ADC (pro Kanal)
Max. Ladeleistung	1000W
Max. Ladeleistung (Ersatzakku)	1200W (Ersatzakku)

Figure 8: Detailed technical specifications and dimensions.

8. WARRANTY AND SUPPORT

Anker stands behind the quality and durability of its products. Your Anker SOLIX Balcony Power Plant comes with comprehensive warranty coverage:

- **Solarbank 2 Plus:** 15 years product lifespan with 10 years manufacturer's warranty.
- **RS40T Solar Panels:** 30 years product lifespan with 15 years manufacturer's warranty.

For warranty claims, technical support, or any other inquiries, please contact Anker customer service. Refer to the contact information provided in your product packaging or visit the official Anker support website.

Solarbank 2 Plus	
15 Jahre	10 Jahre
⚡ Lebensdauer	🛡️ Herstellergarantie
<hr/>	
RS40T Solarpanels	
30 Jahre	15 Jahre
⚡ Lebensdauer	🛡️ Herstellergarantie

Figure 9: Warranty and lifespan details for the Anker SOLIX system components.

