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Anker SOLIX A17E1

Anker SOLIX E10 with Power Dock Instruction Manual

Brand: Anker SOLIX | **Model:** E10+Power Dock (A17E1)

INTRODUCTION

The Anker SOLIX E10 with Power Dock is a comprehensive whole-home energy backup system designed to provide reliable power during outages and optimize energy usage. This system features a 6kWh battery, expandable up to 90kWh, and a 200A Power Dock for seamless automatic switchover in less than 20 milliseconds. It supports up to 9kW solar input per unit and is compatible with a Smart Generator for extended backup. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Anker SOLIX E10 with Power Dock.

WHAT'S IN THE BOX

The Anker SOLIX E10 with Power Dock package includes the following components:

- E10 Power Module
- B6000 Battery Module
- Power Dock (200A ATS)
- 240V Output Cable
- 120V AC Charging Cable
- Fixed Bracket
- ON-Grid Cable
- 3× CTs (Current Transformers)
- Quick Start Guide

Please ensure all components are present and undamaged upon unboxing. Contact customer support if any items are missing or faulty.

SETUP AND INSTALLATION

The Anker SOLIX E10 with Power Dock is designed for effortless setup, typically taking hours, not days. Professional installation is recommended for optimal safety and performance. Expert support and licensed

electricians are available.

Pre-Installation Precautions

- **Angle:** Install the unit in an upright position. Do not tilt it in any direction.
- **Location:** Mount on solid, flat floors or load-bearing walls.
- **Space:** Maintain sufficient clearance from other devices and flammable materials, and leave adequate space for heat dissipation.
- **Handling:** Lift and move battery modules with two people due to their weight (approx. 60.6 lbs per module).
- Ensure the installation location allows for the 6ft plug-and-play power cable to cover the distance between the Combiner Box and E10 inverters.
- Ensure the Wi-Fi signal is strong and reliable at the installation site.

Mounting Options

The Anker SOLIX E10 system offers flexible mounting options to suit various environments:

- **Floor Mounting:** Suitable for solid, flat ground with no flooding risk.
- **Metal Base Mounting:** Ideal for areas prone to flooding, using a metal pad to elevate the system (Metal Base Height: 4.2" – 5.2").
- **Wall Mounting:** Recommended if the flood level is above the base, also suitable for flood-prone areas.
- **Trolley Mounting:** Improves portability of the system (only one battery module can be installed for trolley installation).

Installation Steps (Power Dock)

The Power Dock (200A ATS) must be installed by a qualified electrician. The installation involves:

1. Locating the ATS box with a marking template.
2. Drilling holes and mounting the ATS box.
3. Wiring the ATS box to the main electrical panel.
4. Connecting the Power Dock to the E10 system.

For detailed visual instructions, please refer to the official installation videos below.

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***Video Description:** This video provides a comprehensive guide for installing the Anker SOLIX E10 and ATS (Automatic Transfer Switch). It covers preparation, mounting the Power Dock, wiring, and connecting the E10 system. This video is essential for understanding the physical setup of your whole-home backup system.*

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***Video Description:** This video details the installation process specifically for the Anker SOLIX Power Dock. It covers mounting the Power Dock, making electrical connections, and ensuring proper setup for automatic power transfer. This guide is crucial for electricians and users performing the installation.*

Installation Steps (E10 Power Module & Battery Modules)

The E10 Power Module and B6000 Battery Modules are designed for modular stacking. Ensure proper alignment and secure connections.

1. Place the bottom battery module on a flat, hard surface.
2. Remove the bottom rubber plug from the second battery module onward (keep the plug intact on the bottom-most battery).

3. Stack the battery modules. Up to five battery modules can be installed for floor installation. For three or more batteries, install an extra fixed bracket with the third battery for stability.
4. Install the fixed bracket on the topmost battery module.
5. Align ports and mount the E10 Power Module on top of the stacked batteries.
6. Lock the modules by fastening the screws on both sides to complete the installation.

Note: Use caution to prevent injury when mounting the power module. These screws may strip easily; align them vertically and tighten slowly.

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***Video Description:** This operation guide for the Anker SOLIX Smart Generator provides detailed instructions on how to set up and operate the E10 system, including battery installation and initial device setup. It covers various aspects of getting your system ready for use.*

OPERATING INSTRUCTIONS

The Anker SOLIX E10 with Power Dock provides seamless power management for your home.

Device Setup (App)

1. Hold the power button on the E10 Power Module for 3 seconds to turn it on. The module will automatically enter networking mode.
2. Download the latest Anker app from the App Store (iOS devices) or Google Play (Android devices), or by scanning the QR code provided in the Quick Start Guide.
3. Log in to your Anker account or create a new one.
4. From the app homepage, select the Devices page, then tap Add Devices.
5. Select "Anker SOLIX E10" from the detected devices.
6. To complete the Bluetooth connection, press the IoT button on the device.
7. Choose "Power Independently" to use E10 as a power station with AC outlets, or "Build a Power System" for smart energy flow through your home.
8. Connect to your 2.4 GHz Wi-Fi network.
9. Update the firmware to ensure optimal performance and stability.

Powering Your Devices

- **Everyday Use:** Connect the power strip (sold separately) to the power module. Make sure the power module is turned on before powering your devices.
- **During a Grid Outage:** Connect the included 240V output cable to the power module, then connect it to the transfer switch.

Seamless Automatic Switchover

The Power Dock enables an automatic switchover in less than 20 milliseconds, ensuring no interruption during power outages. This protects your home appliances from power-return surges and provides continuous power.

Your browser does not support the video tag.

***Video Description:** This video demonstrates the seamless switchover capability of the Anker SOLIX E10 system. It shows how the system automatically takes over power supply during an outage, ensuring continuous operation of connected appliances without noticeable interruption.*

Intelligent Power Management

The Anker app allows for intelligent power management, including 12-circuit smart prioritization. You can customize priorities in the app to automatically protect essential circuits and extend backup time during extended outages.

CHARGING AND RECHARGING

The Anker SOLIX E10 system offers multiple recharging methods to ensure your batteries are always ready.

Recharging via Anker SOLIX Smart Generator 5500

Use the DC charging cable (included with the generator) to connect your E10 to the Smart Generator. Ensure the generator circuits are enabled via the app and proper configuration to prevent electric shock.

Other Recharging Methods

- **Via a Wall Outlet:** Use a 120V AC charging cable to recharge your battery modules.
- **Via a Third-Party Generator:** Use an Anker SOLIX E10 AC Generator Adapter (sold separately) to recharge your battery modules via a third-party generator.
- **Via Solar Panels:** Connect each solar panel to a set of photovoltaic ports. Ensure the photovoltaic switch is set to OFF before connecting. Photovoltaic voltage must not exceed 450V. If the cable is not long enough, use an Anker SOLIX Solar Panel Extension Cable. Switch the photovoltaic connection selector to the ON position after connecting.

Note: If your power module connects to a PV system (over 165V) on or in a building, NEC requires a rapid shutdown function to protect emergency personnel from electric shock.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Anker SOLIX E10 system. Keep the units clean and free from debris. Periodically check all cable connections for tightness and signs of wear. Ensure proper ventilation around the units to prevent overheating. For any complex maintenance, contact qualified service personnel.

TROUBLESHOOTING

If you encounter issues with your Anker SOLIX E10 system, refer to the following common troubleshooting tips:

- **No Power Output:** Check if the power module is turned on and if all circuit breakers are in the ON position. Verify cable connections.
- **App Connectivity Issues:** Ensure your phone is within Bluetooth range during initial setup and that the E10 is connected to a stable 2.4 GHz Wi-Fi network. Restart the app and the E10 module if necessary.
- **Slow Charging:** Verify that the charging source (wall outlet, generator, solar panels) is providing adequate power and that all charging cables are securely connected. Check for any error messages in the Anker app.
- **System Overheating:** Ensure adequate clearance around the units for proper ventilation. Check for any obstructions to airflow.

For persistent issues, consult the detailed troubleshooting section in the full user manual or contact Anker customer support.

SPECIFICATIONS

Feature	Specification
Brand	Anker SOLIX
Model Name	Anker SOLIX E10
Item Model Number	A17E1
Wattage	7680 watts (Rated), 10000 watts (Starting/Running)
Engine Power Maximum	7.6 Kilowatts
Fuel Type	Solar
Power Source	Solar Powered
Recommended Uses	Residential
Item Weight	60.6 Pounds
Product Dimensions	26.4"L x 11.8"W x 10.2"H
Color	Silver
Battery Cell Type	Lithium Ion
Batteries Included	Yes (1 Nonstandard Battery required)
Special Features	Portable, Weatherproof (NEMA 4 & 3R), Seamless Switchover (≤ 20 ms)

WARRANTY AND SUPPORT

The Anker SOLIX E10 Power Module comes with a 5-year warranty, and the Power Dock comes with a 10-year warranty. For any product inquiries, technical support, or warranty claims, please contact Anker customer support.

Professional installation services are available and recommended for the Anker SOLIX E10 with Power Dock system. Contact AnkerDirect for expert support and pre-screened licensed electricians with transparent rates.

Additional protection plans, such as a 4-Year Protection Plan, may be available for purchase.