

## **Starter Set Basic – User Manual**

### **Starter Set Basic Metadata**

Model: SS-BSC-01

Category: starter\_sets

Tags: starter\_sets, SS-BSC-01, Cirrus, Renewable Energy, Starter Set Basic

#### **1. Starter Set Basic Overview**

Affordable kit including panel, charge controller, and wiring for small-scale solar setups.

#### **2. Starter Set Basic Intended Use**

Designed for residential and light commercial renewable-energy applications. Any other use may void the warranty and pose safety risks.

#### **3. Starter Set Basic Safety Information**

- a. Verify polarity before connecting PV, controller, battery, inverter.
- b. Fuse each source circuit within 200 mm of the positive terminal.
- c. Wear safety glasses and insulated gloves during terminations.

#### **4. Starter Set Basic Prerequisites**

- a. Read this manual in full before installation.
- b. Ensure local electrical codes and permits are satisfied.
- c. Have the following tools: multimeter, torque wrench, crimping tool, PPE.

#### **5. Starter Set Basic Installation Guide**

- a. Follow wiring: PV → Controller → Battery → Inverter → Loads.
- b. Mount the controller in a ventilated area below 45 °C ambient.
- c. Size cables for  $\leq 3$  % voltage drop.

#### **6. Starter Set Basic Configuration & Operation**

Refer to the controller or inverter interface to set voltage and charging parameters. Adjust based on battery chemistry or site requirements.

#### **7. Starter Set Basic Maintenance Schedule**

- a. Check screw terminals every 6 months.
- b. Update firmware on smart devices when released.
- c. Clean ventilation grilles to avoid thermal derating.

#### **8. Starter Set Basic Troubleshooting**



- a. **No Output / Zero Power:** Check PV input voltage; verify connectors.
- b. **Low Power Output:** Inspect for shading, soiling, or loose wiring.
- c. **System Fault Code:** Consult controller/inverter fault table; reset after corrective action.

### 9. Starter Set Basic Technical Specifications

Specification	Value
Power Output	400W
Voltage	12V
Warranty	1 year
Operating Temperature	-20°C to +60°C

### 10. Starter Set Basic Regulatory & Standards

- a. IEC 60364-7-712
- b. NEC 2024 Article 710

### 11. Starter Set Basic Warranty & Support

Warranty: 1 year

For assistance, contact Cirrus support: [support@cirrus.com](mailto:support@cirrus.com) or +1-800-CIRRUS-1.