SORYQEX Battery Storage Co., Ltd.

15kWh Battery

Installation Manual

15kWh / 51.2V DC / Floor Standing / CAN / RS485

Product path: /15kwh-battery/
Install type: Floor-Standing | Voltage class: Low Voltage
Source hub: /installation-manuals/

1. Overview

15kWh Battery — 51.2V 300Ah LiFePO4 for home solar storage, backup power and small business energy storage. SORYQEX 15kWh LV Battery.

Qualified personnel only. Follow local electrical codes. Confirm model, voltage, communication, breaker, cable size, and clearance for THIS exact product before installation.

2. Model Snapshot

Item	Value
Model	15kWh Battery
Installation format	Floor-Standing
Voltage class	Low Voltage
Product page	/15kwh-battery/
Capacity / Power	15kWh
Voltage / Chemistry	51.2V DC
Use Case	Floor Standing
Install / Format	CAN
Note	RS485

3. Before You Install

- Confirm the exact model name matches the packing label and datasheet
- Check installation space, wall/floor load capacity, and service clearance
- Confirm inverter / PCS compatibility (voltage, protocol, charge limits)
- Select breaker and cable size for this battery + inverter combination
- Check indoor/outdoor suitability and IP / enclosure rating for the site
- Prepare grounding, isolation, and emergency shutoff per local code

4. Installation Steps (General)

- Power down related AC/DC sources and verify zero energy where required
- Unpack and inspect for shipping damage; keep packing list for warranty
- Mount or place the unit per the stated format: Floor-Standing
- Install protective earth / PE before energizing power circuits
- Connect DC / expansion / communication cables with correct polarity and torque
- Configure BMS / CAN / RS485 / WiFi settings to match the inverter protocol
- Power up in the sequence required by the host inverter / ESS controller
- Verify SOC, voltage, communication, and a low-load test before full operation

5. Wiring & Protection Checklist

- Do not size cables from a generic chart - use this model + inverter pair
- Keep DC polarity correct; reverse polarity can damage BMS / inverter
- Separate signal and power routing where required by the system design
- Use only approved connectors / expansion cables for parallel or host packs
- Never bypass BMS protection, fuses, or manufacturer interlocks

6. Notes From Product Page

- 15kWh · Floor Standing
- Floor-standing installation uses the same 51.2V pack; expand in parallel when more storage is needed.
- Over-current / Over-voltage / Short circuit / Under-voltage / Over-temperature
- It is also offered as a floor-standing li-ion solar battery pack for residential and light commercial energy storage installations.
- Shows which loads this battery can support with a matched inverter.
- Suitable — Check startup demand through the inverter
- Conditional — Depends on inverter size and startup current
- Shows voltage, communication and power match points with the inverter.
- Battery voltage range
- Built-in hybrid inverter

7. Safety

- LiFePO4 systems still require electrical safety practice and fire-access clearance
- Do not open sealed packs, short terminals, crush, or expose to immersion
- Stop use if swelling, abnormal heat, odor, leakage, or persistent faults appear
- Follow transport and storage rules for lithium battery products

8. FAQ

Q: What affects the 15kWh solar battery price?
A: Battery model, inverter compatibility, parallel quantity, shipping, certificates, and installation requirements.

Q: Can it work with a 48V inverter?
A: Only if the inverter supports the 48–56V battery range and CAN / RS485 communication.

Q: Is it suitable for whole-home backup?
A: It can support selected home loads. Large air conditioners, electric ovens, pumps, and other high-power loads need inverter and startup-current review.

Q: Can more batteries be added later?
A: Yes. This model supports up to 8 units in parallel, subject to inverter and system design.

9. Support

Download hub: /installation-manuals/
Compatibility check: /check-inverter-compatibility/
Quote / engineering: /get-a-quote/
Always confirm final breaker, cable, and protocol values on the latest datasheet for this model.