SolarEdge Home Battery Low Voltage

Used with SolarEdge inverters

Quick Installation and Operation Guide

for Europe

Unpacking and mounting video

Wiring video

Battery Installation Manual

Emergency Response guide, including emergency phone numbers

Safety Datasheet

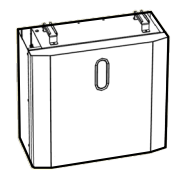
Battery Datasheet

MAN-01-00968-1.0

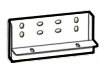
Support Contact Information
In case of any technical issues with SolarEdge products, please contact us at:
https://www.solaredge.com/service/support

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Version: 1.0, August 2022
Subject to change without notice.

What's in the Package

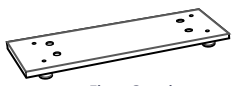


SolarEdge Home Battery



Mounting Bracket and Screws

Ordered Separately



Floor Stand



Battery Top Cover



Available Cables

	Battery to Battery	Tower to Tower	Battery to inverter
DC cables	57cm	260 cm	260 cm
Ground cable	55cm	170 cm	260 cm
Communication cable	57cm	170 cm	260 cm

Required Personnel



Min 2 qualified installers



Tools and Materials



Drill

Level

18 mm Wrench



Pencil



Hammer



Wire Cutter



Phillips screwdriver



Flat-Blade screwdriver



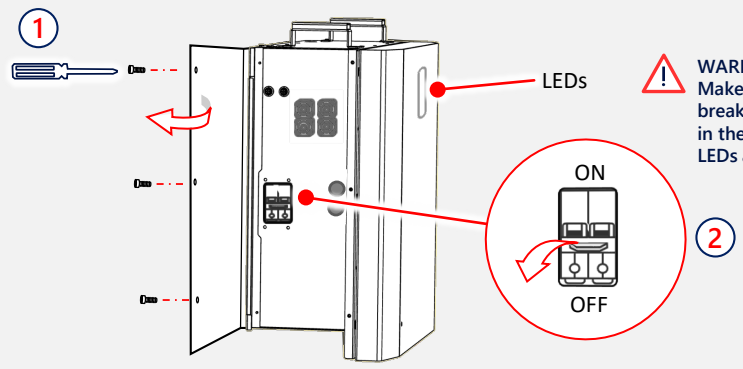
min 2

Mounting screws and studs - max M10

WARNING!
This symbol denotes a hazard. It calls attention to a procedure that if not correctly performed or adhered to could result in injury or loss of life.
Do not proceed beyond a warning note until the indicated conditions are fully understood and met.

WARNING!
Before installing or operating the SolarEdge Home Battery, read the Safety and Handling instructions at the back of this page.

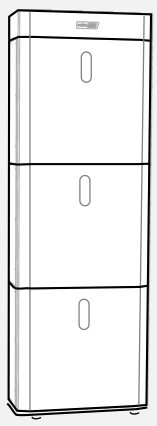
1 Turning off the Battery Power

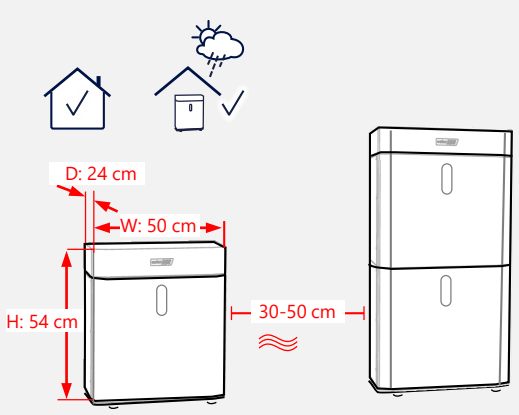


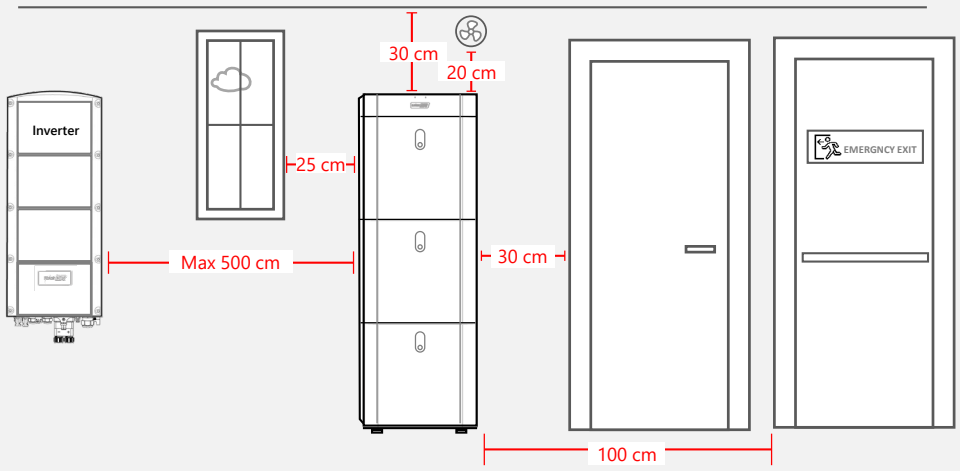
WARNING!
Make sure that the circuit breakers of the battery are in the OFF position and all LEDs are turned off

2 Planning and Considerations

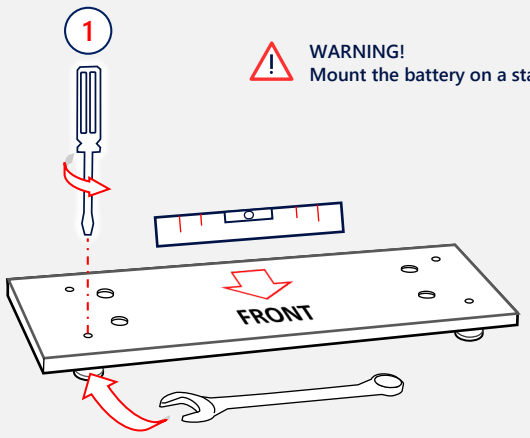
WARNING! Connect no more than 5 batteries per inverter.
Use no more than 3 batteries per battery tower.







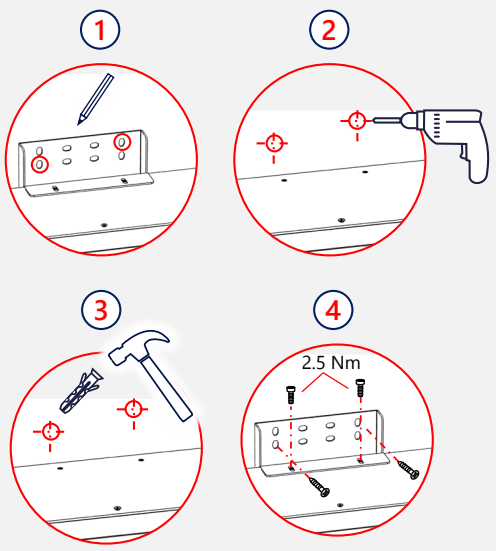
3 Floor Stand Positioning and Leveling



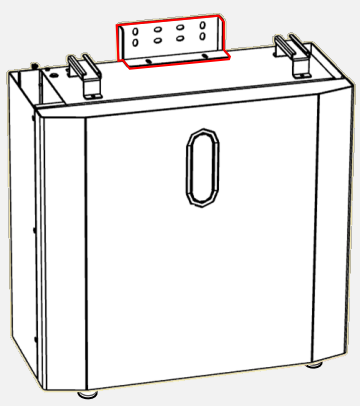
WARNING!
Mount the battery on a stable surface

NOTE: Before installing batteries on top of each other, checked that the max tilt of the wall is 1.5%

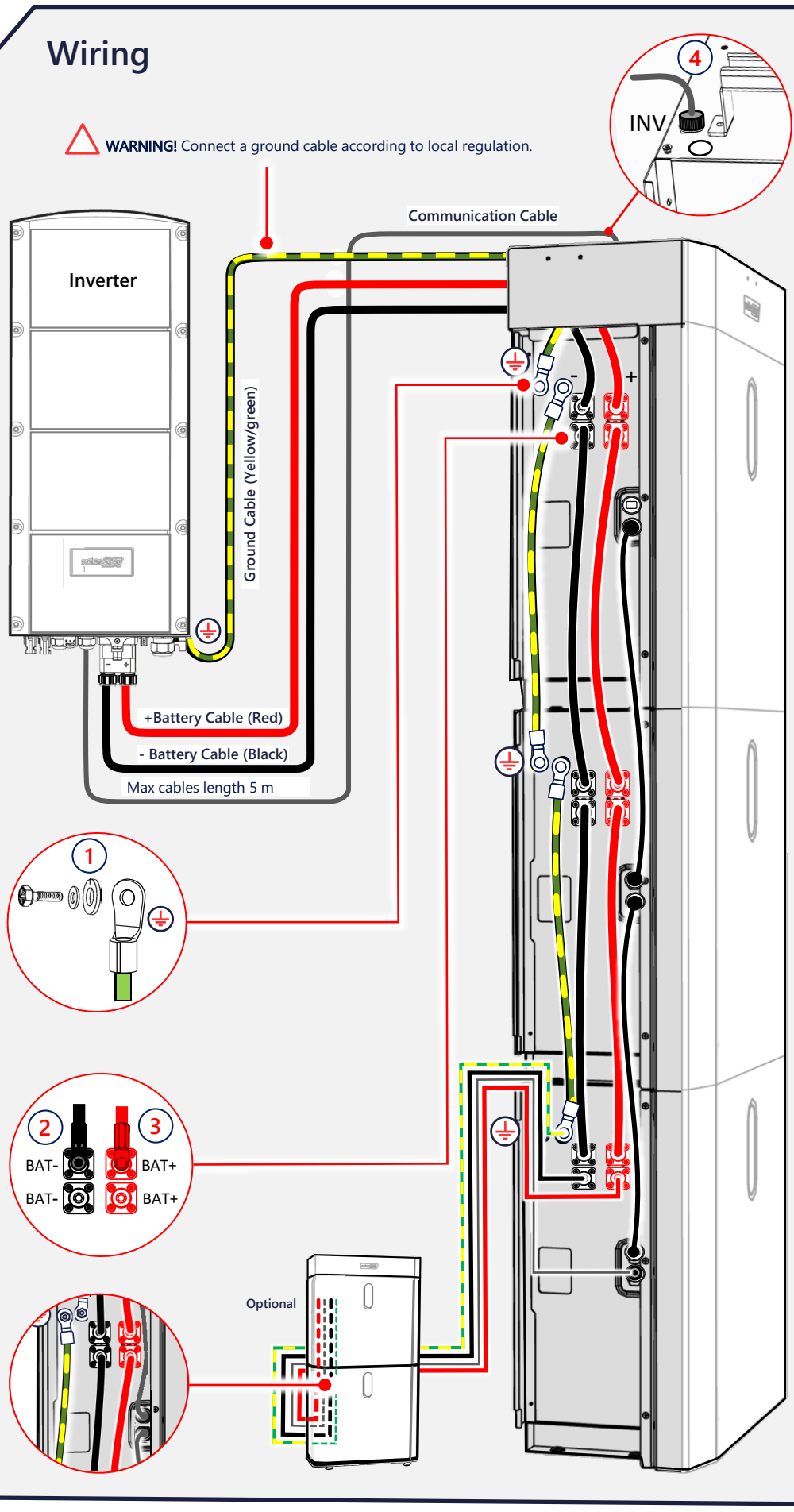
4 Installing the Mounting Bracket



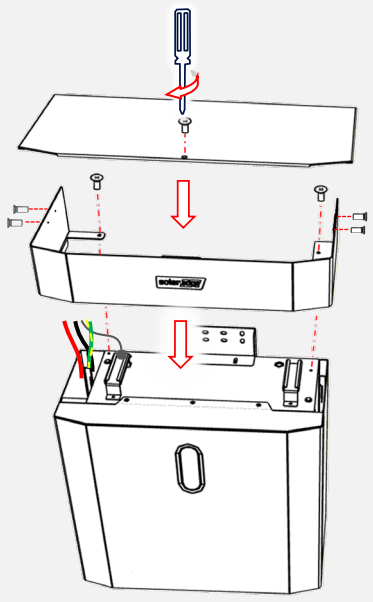
NOTE: Use a minimum of two wall screws to install the bracket. Use additional screws to reinforce installation according to wall condition.



5 Wiring



6 Installing the Battery Top Cover

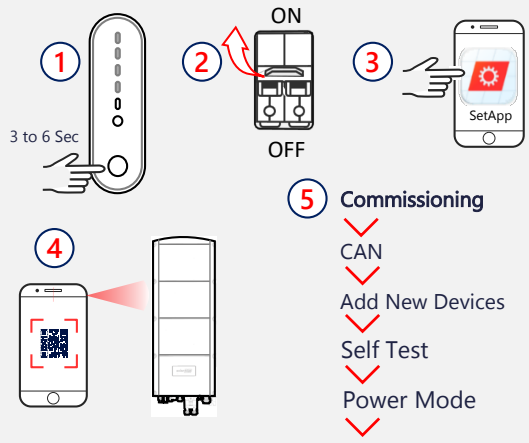


7 Configuring Installation

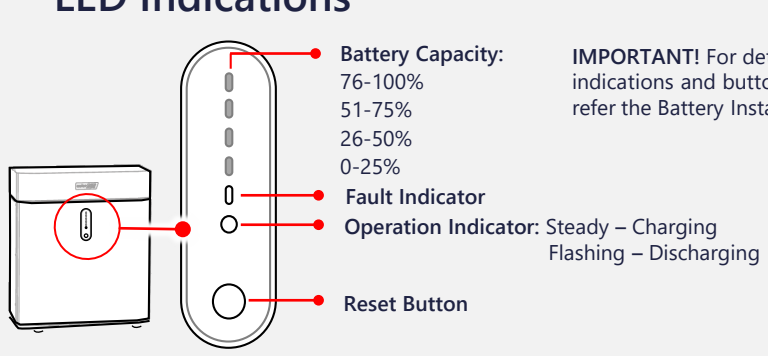
1. Hold the Reset button pressed for 3 to 6 seconds till the LEDs blink.
2. Turn on the circuit breakers of the battery.
3. Run SetApp.
4. Scan the QR code on the inverter.
5. Follow the on-screen instructions.

For post-installation settings, see **Connection and Configuration** application note.

NOTE: The battery operation is managed by the SolarEdge inverter connected to the battery.



8 LED Indications



IMPORTANT! For detailed LED indications and button operation, refer the Battery Installation Manual

SAFETY AND HANDLING INSTRUCTIONS

Read this entire document before installing or operating the SolarEdge Home Battery (referred to as the "Battery"). Failure to do so or to follow any of the instructions or warnings in this document can result in electrical shock, serious injury, or death, or may damage the Battery and other property.
Do not discard this document! After installation, keep it adjacent to the Battery for future reference!

Installation

- Install the battery according to national and local codes and standards and in locations compliant with local building codes and standards.
- The Battery installation must be carried out only by qualified electricians who have been trained in handling low voltage electricity works.
- The Battery is heavy. Adhere to local regulations for material handling and heavy lifting, when installing heavy equipment.
- Do not install the Battery in habitable spaces, including sleeping rooms.
- Make sure the mounting surface can sustain the total weight of the Battery and mounting bracket.
- Do not install the Battery, if it has been dropped, crushed, or has signs of physical damage.
- When the Battery is installed in a residential environment, fire detection and protection equipment must be installed in accordance with local building and fire codes.
- Do not install the Battery near heating equipment, ignition sources, or open flames.
- Install the Battery only on non-combustible surfaces and under non-combustible ceilings, overhangs, or eaves.
- Do not install the Battery in proximity to gas meters, valves, regulators, lines, or gas appliances. Follow local codes. However, 2m / 6ft or more spacing is highly recommended. A failing battery may ignite flammable gasses resulting in property damage, serious injury, or death.
- Avoid installing the Battery in direct sunlight.
- Install the Battery in a location protected from flooding.
- Do not install the Battery in the vicinity of water sources, including downspouts, sprinklers, or faucets.
- When installing the Battery in a garage or near vehicles, keep it out of the driving path. If possible, install the Battery on a side wall and/or above the height of vehicle bumpers.
- Before beginning the wiring, ensure that the Battery is switched off. Also, make sure that the DC safety switch of all inverters in the PV system is turned off.

Operation

- The Battery contains rechargeable lithium-ion cells that are potentially hazardous and can present a serious fire hazard, injury and/or property damage if damaged, defective or improperly used.
- In case of an electrolyte leak from the Battery, avoid contact with electrolyte and follow the instructions in the *SolarEdge Home Battery – Emergency Response Guide.*

Emission Compliance

- Changes or modifications not expressly approved by SolarEdge for compliance may void the user's authority to operate the Battery.
- Use the Battery only as directed in this document.
- Do not use the Battery if it is defective, appears cracked, broken, or otherwise damaged, or fails to operate.
- The Battery and its components are not user-serviceable.
- Do not attempt to open, disassemble, repair, tamper with, or modify the Battery. The Battery cells are not replaceable.
- Do not operate the Battery at ambient temperatures of above 50°C/122°F or below -10°C/14°F. Operating the Battery in temperatures outside the specified range might cause damage to the Battery.
- Do not expose the Battery or its components to direct flame.
- Do not store or use flammable liquids or gasses in the vicinity of the Battery.
- Do not place any combustible items in the vicinity of the Battery.
- If the Battery catches fire, or if fire breaks out near the Battery, call the fire department immediately and follow the instructions in the *SolarEdge Home Battery – Emergency Response Guide.*
- The Battery is prone to re-ignition after extinguishing. Use caution and follow the emergency response instructions.
- Do not immerse the Battery or its components in water or other fluids.
- Charge and discharge voltage: 44.8-56.5 Vdc.
- Do not use solvents to clean the Battery or expose the Battery to flammable or harsh chemicals or vapors.
- Do not use fluids, parts, or accessories other than those specified in this guide, including use of non-genuine SolarEdge parts or accessories, or parts or accessories not purchased directly from SolarEdge or a SolarEdge certified party.
- After the installation, do not place the Battery in storage conditions for more than one (1) month, or permit the power feed to the Battery to be discontinued for more than one (1) month.
- Do not paint any part of the Battery, including any internal or external components such as the exterior shell or casing.
- Ensure that snow does not accumulate around the Battery.
- A non-functioning Battery must be handled with caution. The Battery state of charge and risk of venting may be unknown. Contact SolarEdge for assistance.
- Do not attempt to remove or transport a damaged or non-functioning battery. Contact SolarEdge or your SolarEdge certified installer for support.
- This symbol  on the product means: Do not dispose of this product with general household waste. Consult your local regulations for proper disposal instructions.