

Home Battery 48V Safety and Handling Instruction

Revision History

- Version 1.0 Nov 2022 – Initial release

Read this entire document before installing or operating the SolarEdge Home Battery 48V, (referred to as the "Battery"). Failure to follow any of the instructions or warnings in this document can result in electrical shock, Fire Hazards, serious injury, or death, or may damage the Battery and other property.

Do not discard this document! After installation, keep it within easy reach of the Battery for future reference or 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 any living spaces, including bedrooms, living rooms, etc.
- 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 installing the battery, 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 and the PV system is turned OFF.
- The Battery contains rechargeable lithium-ion cells. These cells are potentially hazardous and can present a serious fire hazard, injury and/or property damage if damaged, defective or improperly used.
- Lithium-ion batteries and products that contain lithium-ion can expose you to chemicals, including antimony trioxide, cobalt lithium nickel oxide, and nickel.
- In case of an electrolyte leak from the Battery, avoid contact with electrolyte and follow the instructions in the SolarEdge Home Battery 48V: Emergency Response Guide.
- Use the Battery only as directed in this document.

- Do not use the Battery if any part appears defective, cracked, broken, or otherwise damaged, not user serviceable, or fails to operate.
- 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.
- Do not expose the Battery or its components to direct flame.
- Do not store flammable liquids or gasses in the same room with the Battery. When the Battery is installed outdoors, keep any flammable liquids or gasses at a distance of at least 15m / 50ft from the Battery.
- Do not place any combustible items less than 2.5 m / 8 ft from the Battery.
- If the Battery catches fire, or if a fire breaks out near the Battery, call the fire department immediately! Evacuate all people from the area, shut down the electricity main CB, and follow the instructions in the SolarEdge Home Battery 48V – 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: 44-56 VDC.
- Operating the Battery in temperatures outside the specified range might cause damage to the Battery.
- Do not use solvents to clean the Battery.
- Do not 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.
- Do not 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.
- Disposal requirements under the Waste Electrical and Electronic Equipment (WEEE) regulations.

**NOTE**

Discard this product according to local regulations or send it back to SolarEdge.