

SolarEdge Home Battery (High Voltage) Transportation and Storage Guidelines - Application Note

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Overview

This document provides SolarEdge Certified Installers and Fulfillment Center personnel with the necessary details about packaging, storage, and shipping of SolarEdge BAT-10K1PS0B-01 products. For more information, contact the [SolarEdge Support Center](#).

Safety

Refer to the SolarEdge Home Battery – [Emergency Response Guide \(ERG\)](#) for detailed safety and hazard information specific to the lithium-ion battery in the SolarEdge Home Battery. All logistics companies in the supply chain are responsible for knowing and following any and all applicable regulations pertaining to the storage, handling, and transportation of dangerous goods as described in the ERG.

Packaging and Handling

SolarEdge Home Battery BAT-10K1PS0B-01 Packaging Specifications

The SolarEdge Home Battery is packaged in a box that is designed to safely hold the Home Battery unit and its parts. The Home Battery can be packaged and shipped in stacks of up to a maximum of 4 Home Battery boxes.

Table 1 and Table 2 provide details on the weight and size of the SolarEdge packages when packed as a:

- Single SolarEdge Home Battery box.
- Pallet with a stack of four SolarEdge Home Battery boxes

Table 1 - Single SolarEdge Home Battery box

Packaging Parameter or Dimension	Value
Weight	163.9 Kg
Length	1219 mm
Width	1016 mm
Height	500 mm

Table 2 - Pallet with a stack of four SolarEdge Home Battery boxes

Packaging Parameter or Dimension	Value
Weight	655.6 Kg
Length	1219 mm
Width	1016 mm
Height	2000 mm

Handling Precautions


CAUTION!

Keep the SolarEdge Home Battery in its original shipping package until the Home Battery is installed. The package should be kept flat on its back, front facing up.


CAUTION!

Individual SolarEdge Home Battery boxes should not be removed from their pallets until loading for final delivery.


CAUTION!

Each SolarEdge Home Battery is to be handled in its shipping box. Keep each unit in its box until it reaches its final destination for installation.


CAUTION!

Ensure the packaging is not punctured. Protect packaging from the weather and extreme temperatures.


CAUTION!

The SolarEdge Home Battery is heavy, weighing approximately 160 Kg. When handling the unit, wear appropriate personal protective equipment such as gloves and protective footwear.


CAUTION!

Use a forklift only to stack or unstack the products on\from a pallet. Only use the designated forklift ready position to lift or lower the product.

Follow these rules when handling pallets of SolarEdge Home Battery boxes in the warehouse:

- Do not stack or transport other items on top of SolarEdge Home Battery boxes.
- A maximum of four (4) SolarEdge Home Batteries in their original boxes can be arranged and packaged as a single stack. The stack is placed on and strapped to a regular shipping pallet.
- Each box sits on its own pallet that has a raised edge. This helps to prevent the box from slipping sideways within the stack.
- Place each box in the stack so that it faces the opposite direction to the previous box. This balances the weight distribution within the stack.



Figure 1: Pallet Packed with a Maximum of Four SolarEdge Home Battery boxes for Shipping

Storage

References to storage in this section refer to on-the-shelf conditions of a SolarEdge Home Battery packed in its original box. The maximum acceptable storage duration is 12 months.

Storage Duration	Allowable Temperature Range
Up to 3 months	-30 °C to 60 °C (-22 °F to 140 °F)
Between 3 and 12 months	-10 °C to 30 °C (-14 °F to 86 °F)

If the products are stored for more than 12 months in their original package DO NOT ship them before contacting the SolarEdge support team for technical guidelines.

A SolarEdge Home Battery should not be stored untended for longer than twelve months as the battery service life will probably be unfavorably affected.

Transportation and Shipping

General Transport Guidelines

The SolarEdge Home Battery is considered to be a Class 9 dangerous good when being transported by commercial means, either by way of road, rail, or sea (ship).

The liability of the product is transferred when the ownership is transferred. Therefore, each distributor is responsible for shipping the product in accordance with the applicable transportation regulations.

The UN Number and Proper Shipping Name for SolarEdge Home Battery is:

- UN 3480, Lithium Ion Batteries

The UN Number and Proper Shipping Name are the same by any mode of transport, across the world.

Each distributor is responsible for ensuring that staff who transport or offer to transport the SolarEdge Home Battery are trained in accordance with the applicable transportation regulations.

Shipping by Truck

When shipping Class 9 dangerous goods by truck, guidelines can vary by region:

- Within the United States, Australia, and New Zealand: Trucks are exempt from placards and drivers are not required to have hazmat endorsement / licensing.
- Within Europe: Trucks carrying less than 300 kg are exempt from placards, and drivers are not required to have hazmat endorsement / licensing. Trucks carrying more than 300 kg are required to use placards and have hazmat endorsement / licensing.
- Shipping in all other regions: Please refer to local regulations.

In all regions, regardless of shipment weight, the driver must be made aware that the shipment contains Class 9 dangerous goods, which requires dangerous goods shipping paperwork. The paperwork can be in the form of a Bill of Lading (BOL), Job Sheet, or Delivery Order.

In addition to the guidance above, be sure to conform to all applicable national, state/provincial, and local regulations regarding storage and transport of Class 9 dangerous goods.

Shipping by Air

The SolarEdge Home Battery cannot be shipped using air transportation.

Damaged Packaging and Repackaging

Damaged Packaging

If a SolarEdge Home Battery box appears to be damaged DO NOT ship or transport the unit.

Immediately contact the SolarEdge Service team in your region. Service phone numbers and email addresses for each region are available at <https://www.solaredge.com/corporate/contact>.

For technical support or information on returning damaged units, fill out a service request on the SolarEdge website at: <https://www.solaredge.com/service/support>.

NOTE: For any shipment other than a new unit straight from SolarEdge approved factory, check with the SolarEdge partner who initiated the transport request and get formal confirmation in order to ensure that they have contacted SolarEdge and verified the unit is in a state of charge (SOC) that is safe to ship.

Repackaging

Repacking of the SolarEdge Home Battery is not allowed!

In case the outer box is damaged, please contact [SolarEdge support](#).