

SolarEdge Home Battery - 48V: Transportation and Storage Guidelines

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Overview

This document provides SolarEdge certified Installers and fulfillment centers personnel with the necessary details about packaging, storage, and shipping of SolarEdge Home Battery 48V (the “battery”). For more information, contact [SolarEdge Support](#).

Safety

Refer to the [Emergency Response Guide \(ERG\)](#) for detailed safety and hazard information specific to the lithium-ion 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

Battery Packaging Specifications

The battery is packaged in a box that is designed to safely hold the battery and its parts. The battery is packaged and shipped in stacks of up to twelve boxes stacked and strapped to a pallet.

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

- Single battery
- Pallet packed with twelve batteries

Table 1 - Single battery

Packaging Parameter or Dimension	Value
Weight of a single battery in when boxed	60kg
Length	735mm
Width	595mm
Height	340 mm

Table 2 - Pallet with twelve batteries*

Packaging Parameter or Dimension	Value
Weight of twelve battery boxes	720kg
Length	1200mm
Width	800mm
Height	2184mm

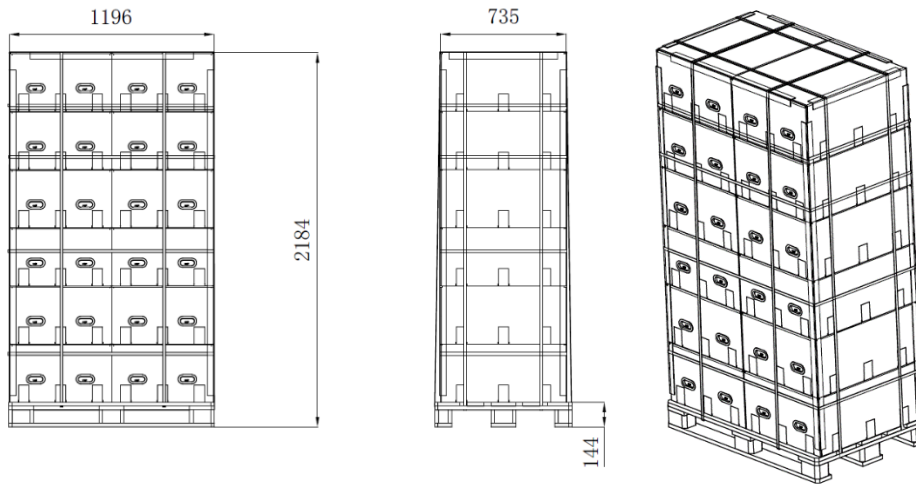
* Since the battery package is not balanced over the center it is mandatory to load the batteries on a pallet in a mixed position

Handling Precautions



CAUTION!

Keep the battery in its original shipping package with the package layed flat on its back, front facing up, until the battery is installed.



CAUTION!

Individual battery boxes should not be removed from their pallets until loading for final delivery.



CAUTION!

Each battery is to be handled in its shipping box. Keep each battery 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 battery is heavy. When handling the unit, wear appropriate personal protective equipment such as gloves and protective footwear.



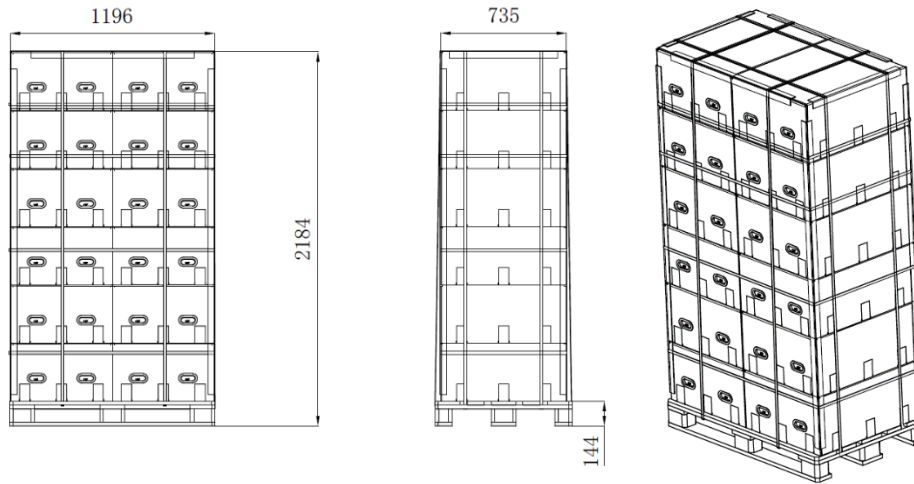
CAUTION!

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 batteries in the warehouse:

- **Do not stack or transport other items on top of battery boxes.**

- A maximum of twelve (12) batteries in their original packaging can be stacked together on a single pallet.
- A maximum of a single pallet with up to twelve packed batteries is allowed for storage and transportation.



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 from shipment date from SolarEdge, in the following temperature ranges.

Storage Duration	Allowable Temperature Range
Up to 12 months from shipment date	-10 °C to 45 °C

The SolarEdge Home Battery warranty is voided, if the battery is commissioned later than 12 months from the shipment date.

Transportation and Shipping

General Transport Guidelines

The 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 the 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 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 battery cannot be shipped using air transportation.

Damaged Packaging and Repackaging

Damaged Packaging

If a battery box appears to be damaged, DO NOT ship or transport the battery.

Immediately contact the SolarEdge Service team in your region. Service phone numbers for each country are available in the [Emergency Response Guide \(ERG\)](#).

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

Repackaging of the battery is not allowed!

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

Version History

- Version 1.0 (August 2022) – Initial release
- Version 1.1 (December 2022) – renaming, updating data and images