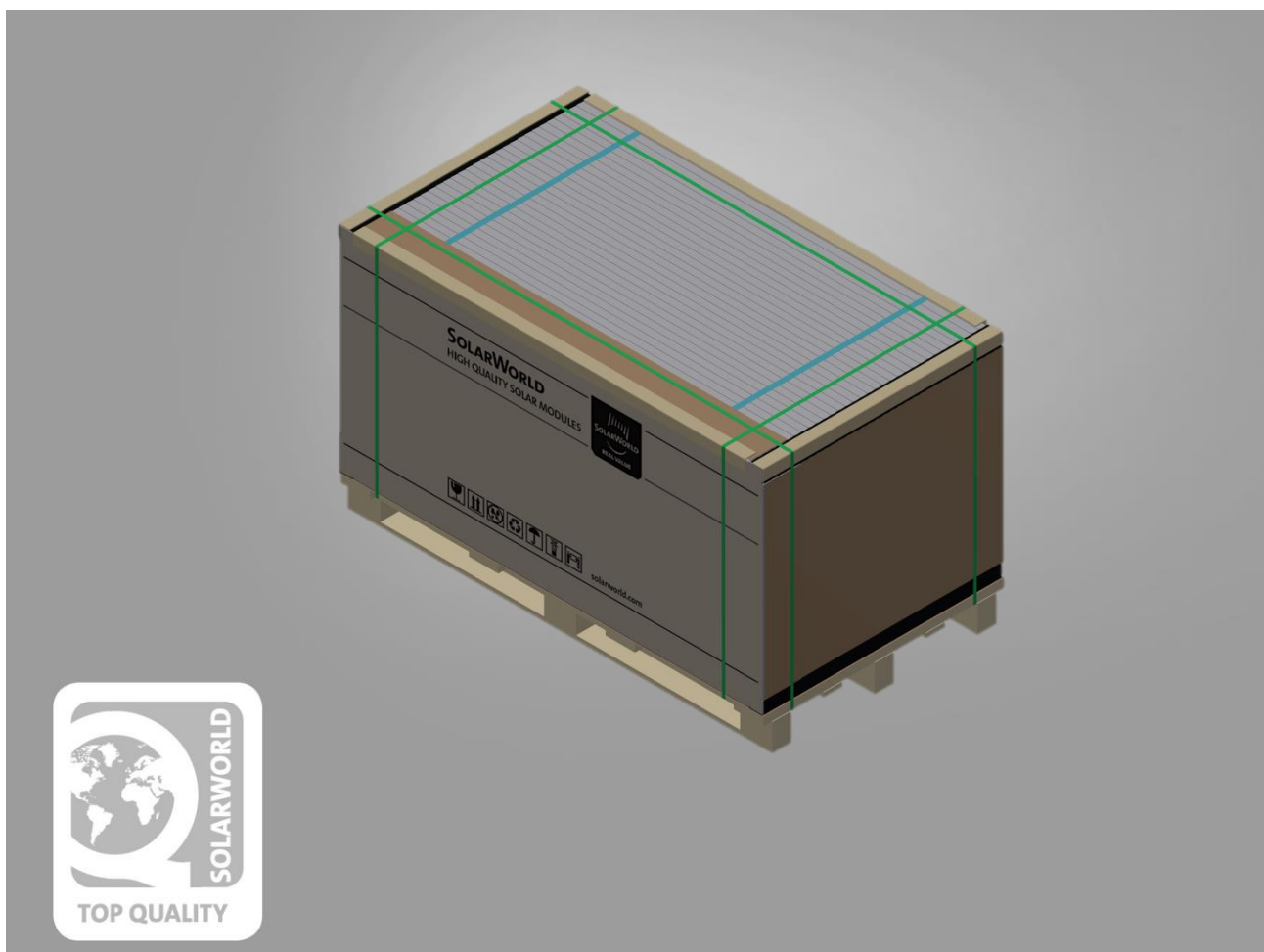


Unpacking Instructions

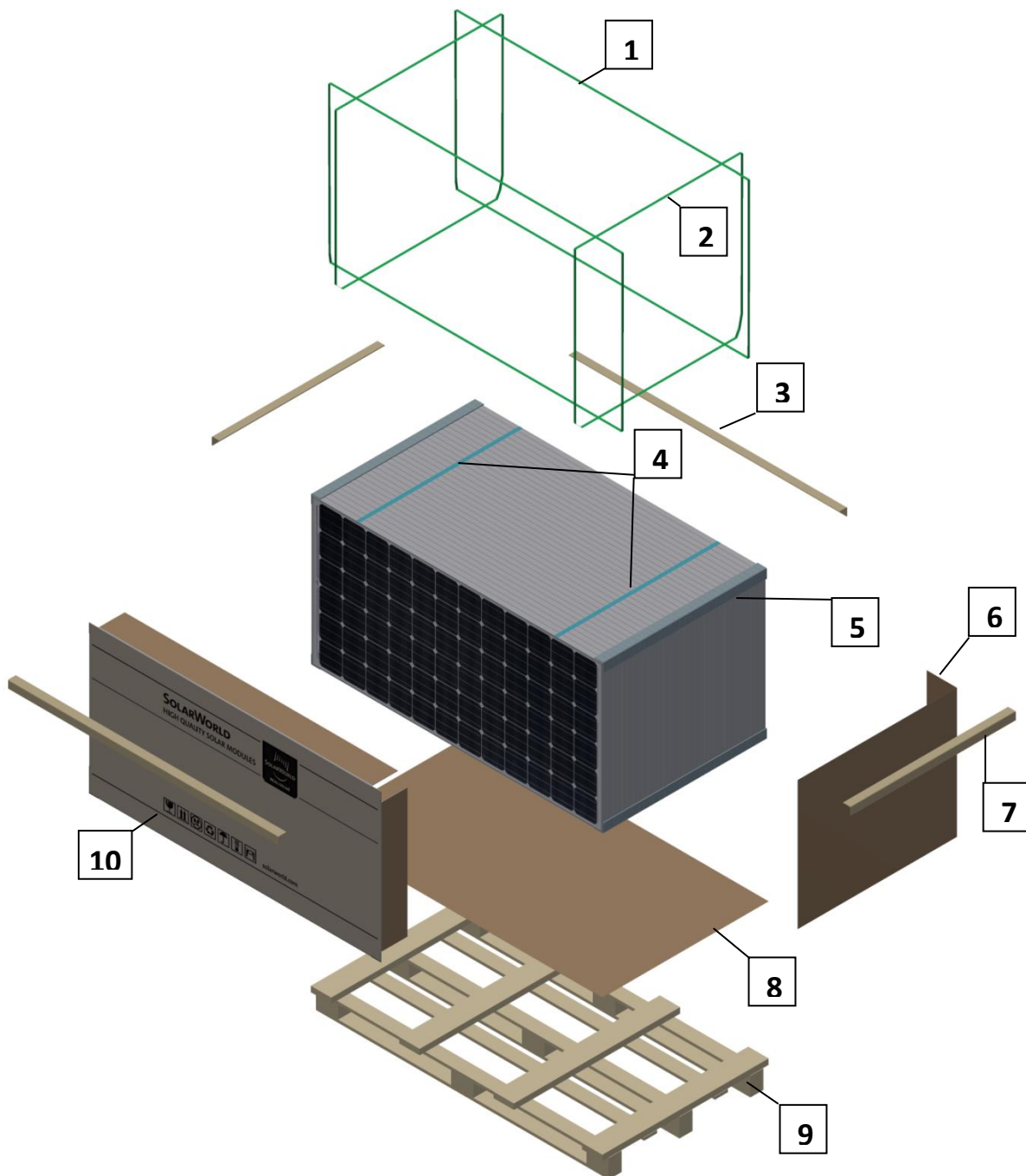


04/2016

Sunmodule SW xxx XL poly
Sunmodule SW xxx XL mono

Exploded view of pallet

Pos.	Description	Material	Amount
1	Strapping Band - Lengthwise	PET	1 pcs
2	Strapping Band - Crosswise	PET	2 pcs
3	Corner Stiffener - Long	Cardboard	2 pcs
4	Adhesive Tape – Module Fixation		2 pcs
5	Stacking Corner	PP	128 pcs
6	Vertical Stabilizer	Cardboard	2 pcs
7	Corner Stiffener - Short	Cardboard	2 pcs
8	Pallet Pad	Cardboard	1 pcs
9	One-way Pallet	Wood	1 pcs
10	Front Cover	Cardboard	1 pcs



General

This document provides transport, storage and unpacking instructions for the package of Sunmodule 72-cell solar modules. The modules are stacked on wooden pallets in vertical long side position, 29 modules per pallet, cardboard cover on module front side, stretch film and cover foil on the top. All packaging materials are recyclable.

- Pallet footprint: 2005 x 1041 x 164 mm (79 x 41 x 6.5 in)
- Package height: 1180 mm (46.5 in)
- Pallet weight: 668 kg (1,473 pounds)
- Pallet is IPPC-compliant.

When stacking, the pallets must be aligned flush over each other. Do not offset the pallets.

Transport instructions

High cube (HC) containers are required for double stacked pallets. If not stacked, standard containers may be used. All module pallets have to be securely fixed. For additional protection, pallets must be placed in the middle of the container and dunnage bags placed between the container walls and the pallets. Strapping has to be applied on the last pallet to secure the pallets on the backside. Max loading configuration:


40' HC container	5x2 double stacked pallets longitudinally and 1 pallet at right angle	20 pallets 580 modules	14,696 kg 32,399 pounds
Sliding tarpaulin semi-trailer	6x2 double stacked pallets longitudinally	24 pallets 696 modules	16,032 kg 35,345 pounds
US semi-trailer truck	7x2 double stacked pallets longitudinally	28 pallets 812 modules	18,704 kg 41,235 pounds


Dehumidifiers are required for module shipments crossing the Tropic of Cancer. They are also required if the container crosses more than 25° latitude during shipment.


- 16 pcs Absorpole are required per 40' container (www.absortech.com).
- Collection capacity: 2 liters per piece
- Absorbent: 1.2 kg / 2.6 lb calcium chloride per piece


Storage and intermediate transport instructions


Use caution when moving modules around warehouse or job site. Do not exceed rated load capacity of forklift. Only transport a double-stacked pallet if it is well aligned. Do not collide with other objects while transporting modules. Only use fork lifts with long forks (at least 1.25 m or 4.0 feet) to move the pallets.


 Fragile! Modules should be handled carefully. Do not place modules roughly on hard surface or on their corners. Do not drag modules over each other when unstacking.


 The package must always be transported, handled and stored in such a way that the arrows always point upwards.


 Do not step or stand on modules. Do not place any objects on modules.


 The cardboard sleeve and package materials are recyclable.

 Package and modules should be protected from excessive moisture (rain, snow, etc.) and must accordingly be stored under cover. If package and modules cannot be stored in warehouses or sheds, they must be carefully covered with tarpaulins.

 Do not stack more than the maximum amount of allowed pallets. **Never stack more than 2 pallets high.** Double-stacked pallets need to have anti-slip pads between pallets.

 **Use two people when unpacking modules from pallet. When handling modules always use both hands and safety gloves.**

 Do not use forklift truck on glass side.

 **Glass side of modules!** Avoid any collision with other objects on this side.

When re-packing modules for shipment to the job site use only SolarWorld provided packaging material:

- SolarWorld one-way pallet
- Cardboard Pallet pad
- Modules with stacking corners
- Cardboard Cover
- Corner Stiffeners

Securely strap the modules to the pallet in a grid pattern as indicated in the photo and shrink-wrap the modules.

If you need any of the shipping materials listed above please contact SolarWorld.

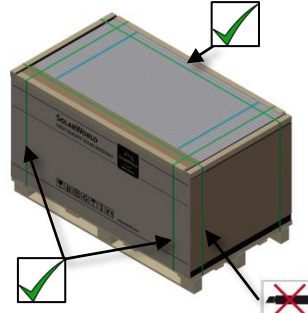
Unpacking instructions



Always avoid scratching the modules when using cutting tools.

Cut the wrapping foil using a cutting tool

Remove the stretch film and the cover foil and recycle it.

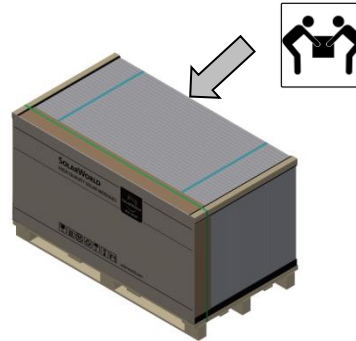


Verify that the adhesive tape strips are still attached to each module frame and all stacking corners are in place.

Cut the crosswise strapping and the lengthwise strap that is opposite the front cover.

DO NOT CUT THE LENGTHWISE STRAP NEXT TO THE FRONT COVER.

Remove the long corner stiffeners and vertical stabilizer.

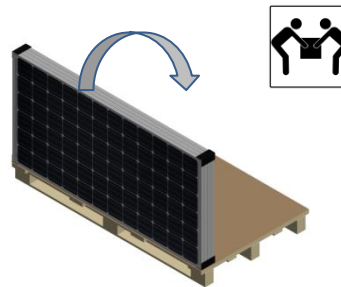


Use two people when unpacking modules.

Holding the end module, peel off the tape making contact with the module, and with both hands pull out the module. Repeat the process until you have four modules remaining.

Hold the four modules and cut the remaining lengthwise strap.

Remove the short corner stiffeners and the front cover.



Lay the remaining modules down on the pallet with the glass side facing upward.

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