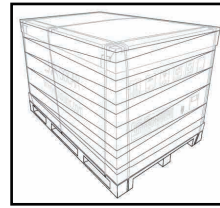
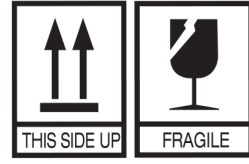

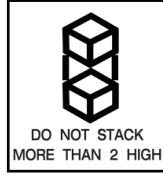

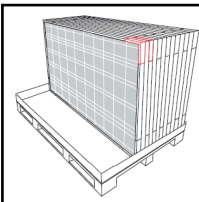

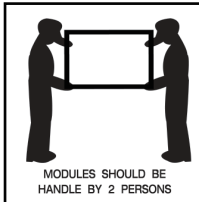


This manual is about the transport, storage and unpacking instruction of JA Solar PV Modules. Please minutely comprehend the manual and comply with it strictly. Please do not unpack the package to get this manual during the transport. You can ask for it from the supplier, or download it from JA official website. When you need to unpack the package and to install the modules, please beforehand rive the plastic protective film, and take out the manual to read the related content.

本手册是关于太阳能成品组件的运输储存和开箱说明, 请详细了解并严格遵守本手册操作。当您运输包装成品的时候, 请勿拆开包装获取本手册, 您可以向销售商索取, 或者通过晶澳官方网站下载本手册。当您为安装组件拆开外包装时, 请提前撕开外包装上的保护膜, 拿出本手册阅读相关内容。

Transport and storage requirements of JA Solar PV Modules

<p>1. There is a layer of plastic film out of JA Solar PV Modules' (hereinafter referred to as "Modules") package, and it can protect the pallet from general dirty and water. There's no need to remove the film if the pallet would be in long-distance transport or long-term storage.</p> 	<p>2. The packaged Modules can be transported by land, sea or air. Please ensure that the packages won't roll down during the transport. That's better to fasten the packages in the transport platform. Modules are fragile, so the pallets of Modules should not fall down. In addition the packages could not be bumped tempestuously.</p> 	<p>3. Packages could not be damp-proof completely. It may cause danger because the damp packages' structural strength will reduce. So the packages mustn't get wet or damp during the transport and storage. Please put the packages in a ventilated, damp-proof and dry place.</p> 
<p>4. Packages of JA Solar Modules could be stack up, but it only could stack 2 pallets together. The total stack quantity could not be more than 2.</p> 	<p>5. The packages should not be stepped on.</p> 	<p>6. Please follow < Unpacking Instruction of JA Solar PV Modules Standard Package> to open the packages of JA Solar.</p> 
<p>7. It's forbidden to put packages of modules together with caustic chemical or gas. Please pay attention to fire safety.</p> 	<p>8. Once you find a wet package, please unpack it carefully and take out the modules, then put them in a ventilated place to prevent them from mildew. The total stack quantity of unpacked modules should be no more than the maximum in a package.</p>	<p>9. It needs two persons to handle the single module at the same time.</p> 

Unpacking Instruction of JA Solar PV Modules Standard Package

Equipment and Toll: Cutter, Glove and Forklift.

People: No less than 4 persons.

Attention:

- When unpacking in outdoors, forbid operation under the rainy days. The carton will become soft and result that the PV module (Hereinafter referred to as "Modules") will slip out of the package.
- If the site has wind need to be careful, especial has the strong wind situation should not be operation. It is better not to move the Modules and fasten the Modules which have been unpackaged.
- The ground should be provided stable for setting the packing carton and avoid collapse.
- Please take the glove through the unpacking process to protect your hands and avoid leaving handprint the surface of the glasses.

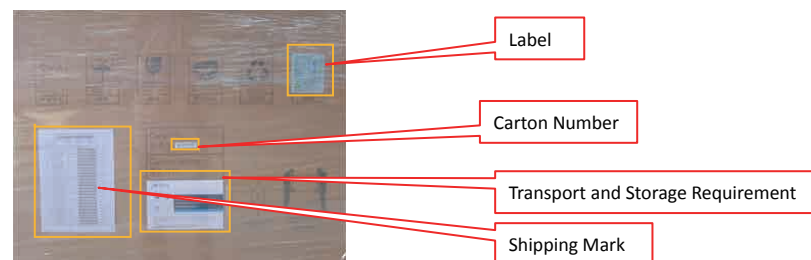
Step:

- Use a forklift to move the packing carton with tray to operation area. Packages couldn't be bumped or vibrated tempestuously when move them. The forklift should be longer enough to avoid the packages toppling backward when move the packages. It's better to move the packages through the short-side if you use hand-push forklift. The long-side of the unpacking carton should be put near one strong wall, support or another unpacked package of the same specification (Hereinafter referred to as "upholder").The upholder should be parallel with the package's long-side, and the distance should be 15~20cm.

(Note: The content of posted and printed on carton will be different with product type and batch, all below pictures only for reference.)



- Check if the packing carton is complete, for example, the Peak power and other information.



- Remove the upper 3 plastic straps. Find the joint of strap, grab the two ends of connector with two hands, pull in the opposite direction and then it can be easy to divide them.



- Remove the plastic protective film on the top.



- Remove the protective film. Rip the protective film outside the packing carton with box cutter or other hard thing. Be careful not to scratch the box. Then remove the four side protective film, and remove the inside plastic straps finally.



- Open the cover.

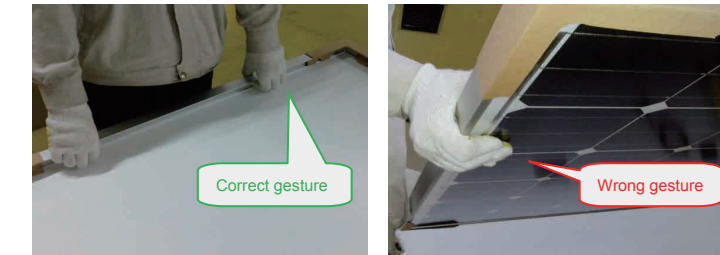


- Remove the peripheral board.

Two persons stand at the right sides of box, prepare to hold the module avoid module down after the peripheral board has been removed. Other two persons pull the peripheral board up, and then put the board between the package and upholder to protect the Modules from scratch by the upholder. Finally push the module softly and keep the module line against the trestle.



- Move the Module. Two persons seize the short-side of the module separately, and exert strength at the same time to put the module to the named place. Must take the glove throughout the moving modules process, for protect your hands to avoid scratch hand. Please seize the frame inside to move modules, finger touch glass surface shall be strictly forbidden, to avoid leaving fingerprints on glass surface.



Then remove all the Modules one by one.



If the unpacked Modules won't be installed immediately, and you need to put them horizontally, please put the package cover on a pallet, put the first module into the cover and keep its glass faceup, then stack other Modules on the top and keep their glass facedown. when you put the Modules together horizontally The upper limit is no more than the number of one packing carton.

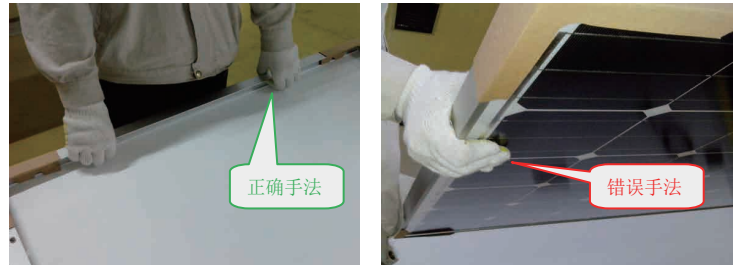
Note: The Modules must be stacked trimly, otherwise the Modules may lean or even drop during the transport.

Lift by the flange only, cradle the module in your hands being careful not to twist the module when lifting.

- 7、移除纸箱外围板。
在箱子的短边面各站一人，准备扶住组件，防止外围板拆开后组件倾倒。另外两人从下往上提起纸箱围板，在纸箱围板脱离组件后，把围板拆平整后放置于箱子与支撑物件之间，保护组件不受支撑物的刮伤。两人轻推组件，使组件靠在支撑物上。



- 8、搬动组件
两人拿住组件的两个短边，同时用力，把组件抬到指定地点。拆箱过程中必须佩戴保护手套，避免划伤手。请抓住边框内侧搬动组件，严禁手指接触玻璃面，避免在玻璃面留下指印。



然后两人逐步移开所有组件。



如果组件拆开没有立即安装，而是需从立式转变为平放，请在托盘上放一个包装箱上盖，然后把第一块组件玻璃面朝上放置，其余的组件玻璃面朝下堆叠上去。最高堆码片数不超过一箱组件的数量。
注意：堆叠后组件必须要对齐，否则组件在运输过程中会发生倾斜掉落。用手上搬运组件的过程中需要小心，只能抬边框的中间部分，不能抬四个角，也不能扭曲或颠簸组件。



- 4、移除上盖上的塑料保护罩。



- 5、拆除保护膜。
用美工刀或者其他坚硬物品划开包装箱外的保护膜。注意不要损坏纸箱。然后拆除包装箱四周的保护膜，最后拆除最里面的打包带。



- 6、打开上盖。



晶澳太阳能光伏组件标准包装箱开箱说明书

设备和工具：刀具，手套，叉车。

人员：最少4人。

注意事项：

- 在户外拆箱时，禁止在下雨的条件下作业。因为纸箱淋雨后会变软散开，里面的光伏组件（下文简称“组件”）会脱出造成损坏或者砸伤人员。
- 如果现场有风，需要特别注意安全，尤其是大风的情况下，建议不要搬运组件，并且妥善固定好已拆开包装的组件。
- 作业地面需要保证包装箱能够水平稳定的放置，避免倾倒。
- 拆箱过程中请佩戴保护手套，避免伤手和在玻璃面留下指印。

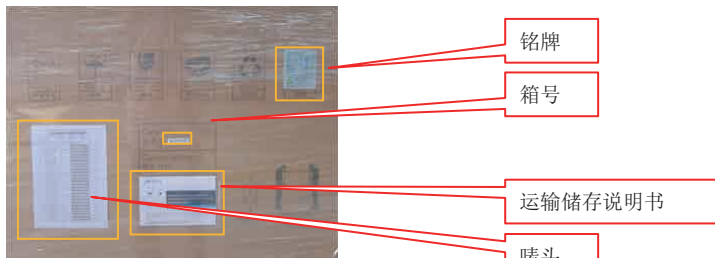
步骤：

- 用叉车将带托盘的包装箱移动到作业区域，移动组件过程中避免激烈颠簸和震动。叉车不能太短，避免运输过程中托盘向后倾倒。如果是手动叉车最好从托盘的短边进入。待拆包的组件需要长边靠近坚实的墙壁、支架或者另外一拖同样规格的未拆封组件（下文简称支撑物）。支撑物与托盘长边平行，距离为 15-20cm。

（注意：外箱印刷和标示内容随产品型号批次不同有差异，下面所有图片所示的印刷内容和标示内容仅供参考。）



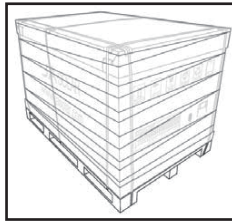
- 检查包装箱是否完整，外箱标示的组件功率以及其他信息。



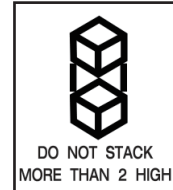
- 拆开上层的 3 根塑钢打包带。
找到打包带的结合部位，分别用双手拽住接头的两端，相反方向用力，可以很容易的使之分开。

晶澳太阳能光伏组件运输储存说明

一、晶澳太阳能光伏组件(下文简称“组件”)包装箱外面有一层塑料薄膜，可以对包装的组件起到常规的防尘防水。如果组件需要长途运输或长期储存，请不要拆除它。



四、包装的成品可以叠放在一起运输或存储，但是最多只能叠一层。总的高度不能超过2层。



七、禁止将包装的成品与腐蚀性的化学药品或气体共同存放在一起。注意防火。



二、包装的成品可以通过陆运、海运，或者空运进行运输。在运输过程中：请保证包装的成品不会翻滚。最好将包装箱固定在运输平台上。组件为易碎品，包装的成品不能从高处跌落。并且需要避免包装的成品受到激烈的震动和颠簸。



五、禁止在包装箱和组件上面踩踏。

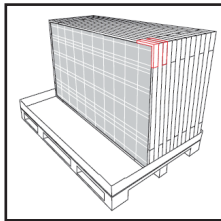


八、一旦发现包装箱受潮，请小心的拆开包装箱，将其中的组件抬出，放置在通风的地方，避免组件发霉。拆开后的组件叠放不要超过一箱的数量。

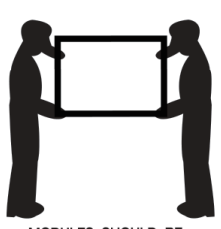
三、包装箱不能完全防潮，受潮后包装箱的结构强度将变小，可能会发生危险。包装的成品在运输和储存过程中，禁止淋雨或者受潮，**请将包装的成品置于通风，防雨和干燥的地方。**



六、打开晶澳的包装，请按照《晶澳太阳能光伏组件标准包装箱开箱说明书》操作；



九、在搬运单块组件的过程中，请务必两个人同时操作。



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