

# PV Module Installation Manual

Applicable Module Type	Certification Status	Module Structure
ZTT-NE66HD-XXX	double glass	IEC TÜV SÜD
ZTT-NE48HD-XXX	double glass	IEC TÜV SÜD
ZTT-ND78HD-XXX	double glass	IEC TÜV SÜD
ZTT-ND72HD-XXX	double glass	IEC TÜV SÜD
ZTT-ND60HD-XXX	double glass	IEC TÜV SÜD
ZTT-ND54HD-XXX	double glass	IEC TÜV SÜD

 Safety Note

- ✧ This manual elaborates on installation and safety use information for PV power generating modules (hereinafter referred to as module) of Jiangsu Jiangdong solar Technology Co., Ltd. (here in after referred to as JDGN). Please abide by all safety precautions in this guide and local regulations.
- ✧ Installation of modules requires professional skills and knowledge and is to be carried out by qualified personnel. Please read this manual carefully before installing and using this module. Installation personnel shall get familiar with mechanical and electrical requirements of this system. Please keep this manual properly as reference for future maintenance or upkeep or for sales and treatment of modules.
- ✧ If you have any doubts, please contact JDGN quality and customer service department for further interpretation.

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## Introduction

First of all, thank you for choosing ZTT solar photovoltaic(PV) modules. (hereafter referred to as "module" ). To ensure correct installation and stable power output, it is necessary to read and understand all installation instructions before proceeding. As PV modules are power generation products, professional technicians must perform the installation and adopt appropriate safety measures to avoid accidents.

The protection Class of the module : Class II (IEC61730:2023); (IEC61730:2016);

Application class of the modules: Class A (IEC61730:2004);

Fireproof rating: Class C, in line with IEC61730-2 standard.

## Manual use

✧ The technical content of this guidelines for the installation, maintenance, and use of the modules.

JDGN Solar disclaims any liability for any following kinds of injuries and losses, including but not limited to any physical injuries or property losses resulted from Module misoperation , system installation failure, and violation of the instructions set out in this manual.

## Information for installers

- ✧ The installer must read and understand this manual before installation.
- ✧ Please ensure that the installation, operation and maintenance of the photovoltaic system described in the manual is performed by qualified personnel, such as system planning, installation and maintenance personnel, who must comply with all safety precautions in this manual and applicable local regulations; Unqualified personnel can only carry out cleaning work.

This manual is part of the product and should be retained for the life of the PV system.

## Information for operators

- ✧ keep this manual during the service life of the photovoltaic system.
- ✧ Contact your equipment supplier for installation information concerning the photovoltaic systems. Be sure to learn about the guidelines and understand the needs of the persons who are in charge of local authorities, as well as the energy suppliers prior to the installation of photovoltaic power station.
- ✧ Make sure your PV system can withstand natural disasters (e.g. electricity , lightning strikes)

- ✧ This manual is valid for the module of JDGN solar.
- ✧ The information in this manual is based on JDGN solar's knowledge and experience and is considered to be reliable; but such information, including product specifications (without limitation) and suggestion, does not have any significance as a warranty or constitute an express or implied guarantee. JDGN solar reserves the right to change this manual, PV Module, specifications, or product information sheets without prior notice.
- ✧ JDGN solar shall not bear any expenses arising from damage, loss or installation, operation, use or maintenance if the use of this manual and the conditions or methods of installation, operation, use and maintenance of photovoltaic products are beyond JDGN solar's control. JDGN solar does not cover any legal liability beyond the due function and safety performance. This manual is for reference only.
- ✧ No license is granted by implication or otherwise under any patent or patent rights.
- ✧ As for special modules, please install and use separately according to the module specifications or agreed terms in the contract.
- ✧ If your questions are not adequately addressed in this manual, please contact your system supplier. For more information, please visit website [www.ztt.cn](http://www.ztt.cn).
- ✧ Product Identification
- ✧ Each Module has three labels and provides the following information:
- ✧ nameplate: describes the product type, rated power, rated current, rated voltage, open circuit voltage, short circuit current under standard test conditions, certification mark, weight, dimension etc.; And maximum system voltage, fuse current.
- ✧ serial number and Bar Code Label : serial number has 16 digits; Each module has a unique serial number and bar code as a unique identifier , Each Module has three barcodes, one permanently laminated inside the Module ,this label can be normally found in the front side of corner; the other label is pasted on the rear side of the module. another label is pasted on the side of the module frame.
- ✧ Removing the nameplate will make the JDGN warranty invalid .

#### Safe guideline



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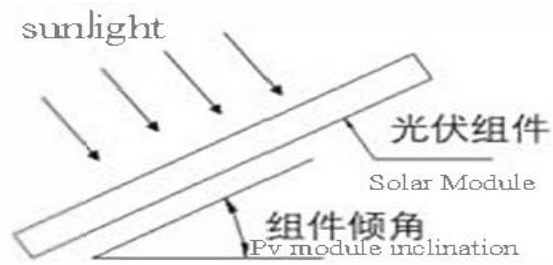
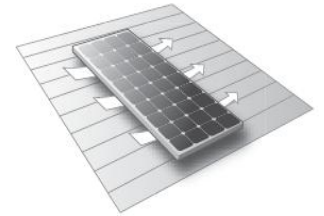


Figure1 Angle of Module installation

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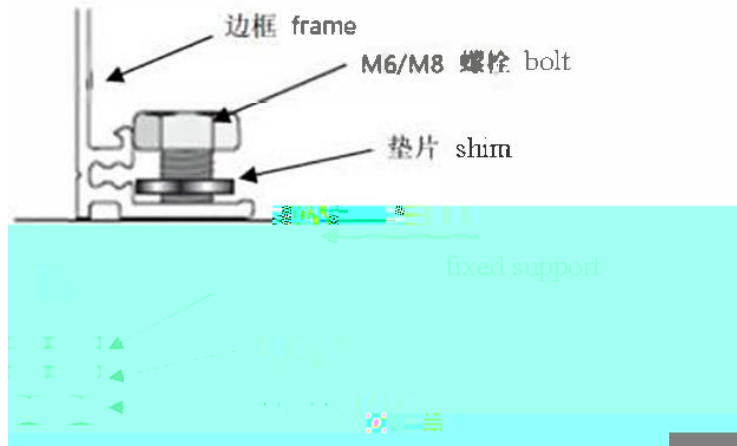
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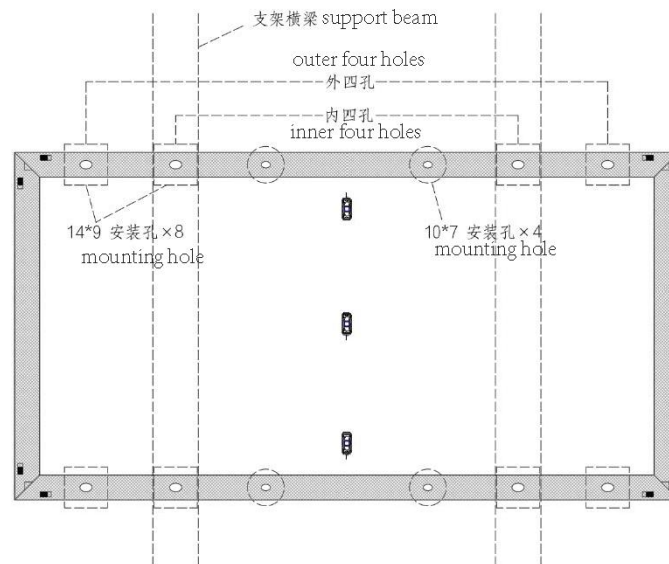
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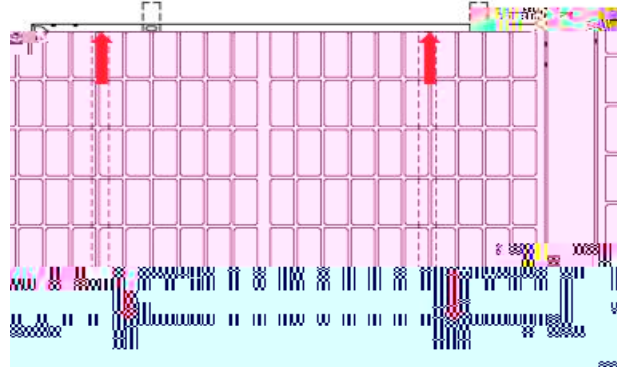


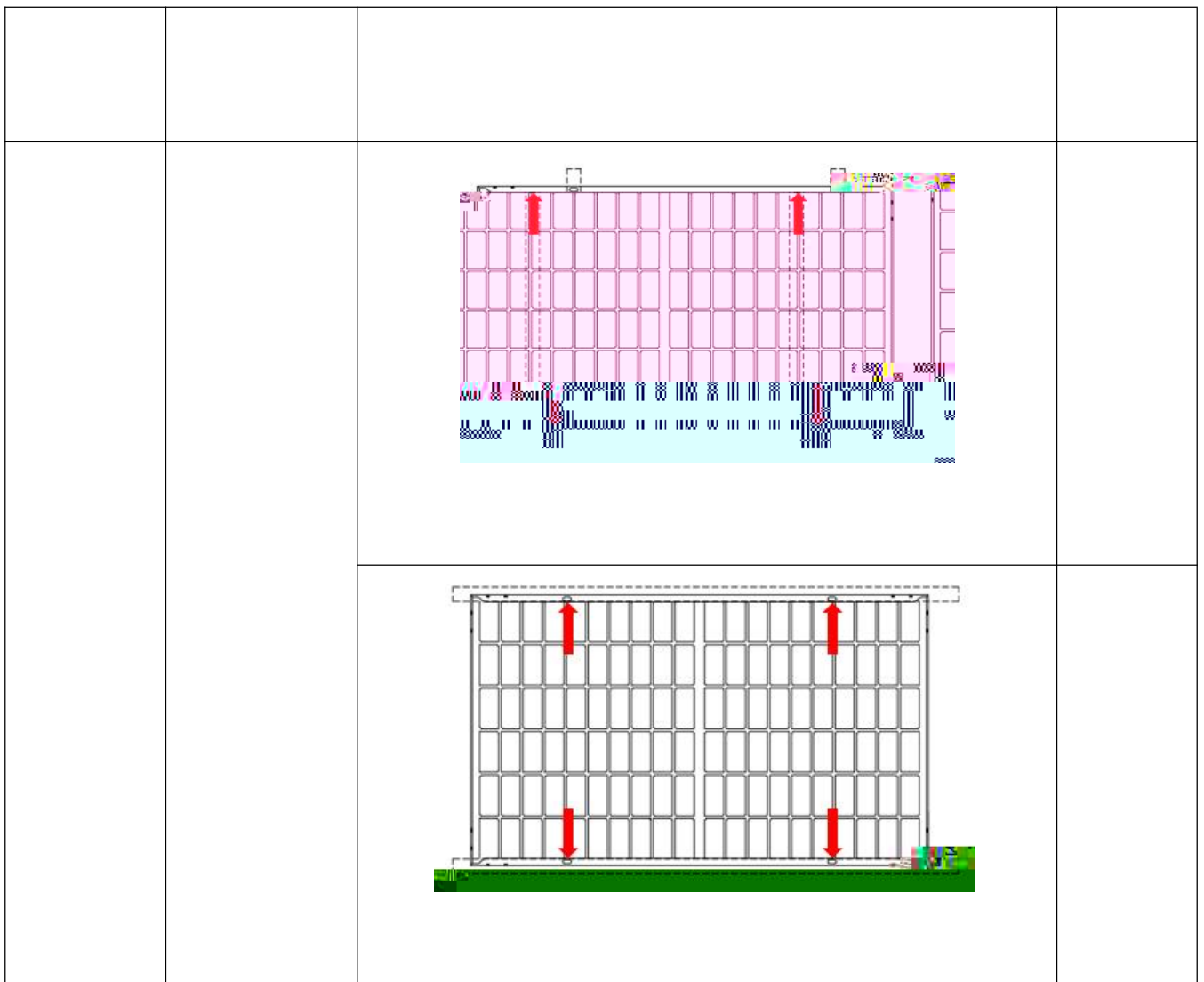
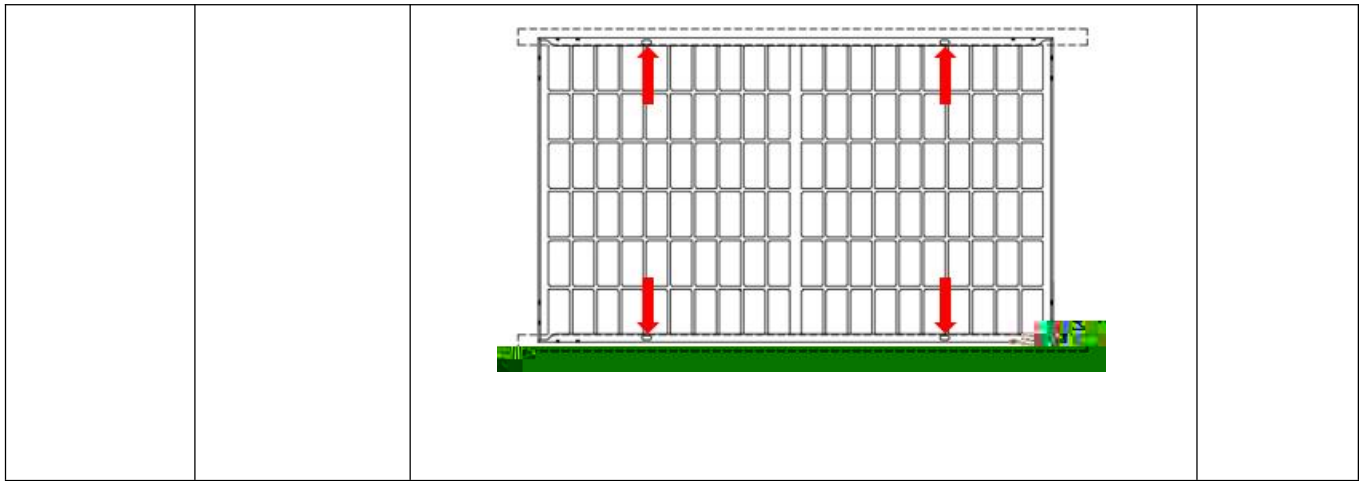





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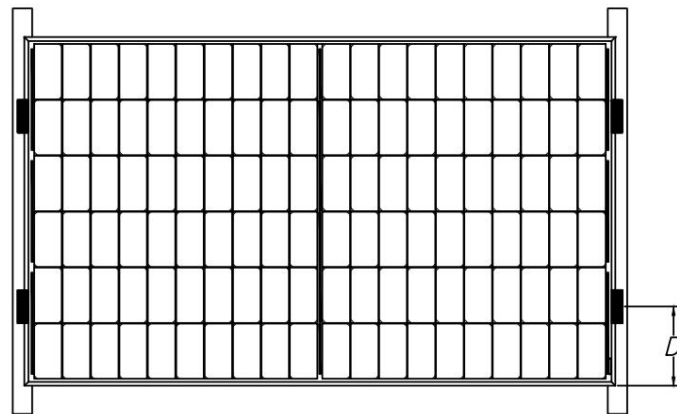
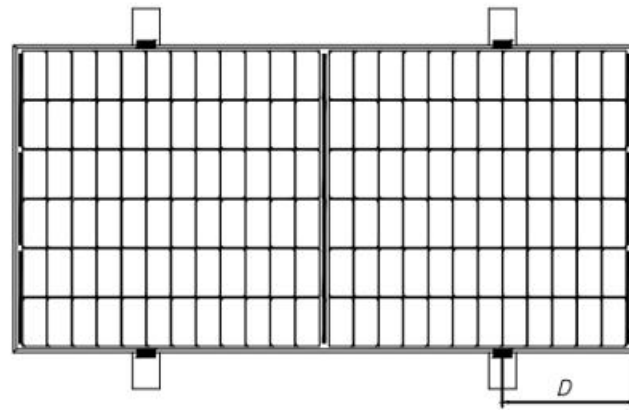
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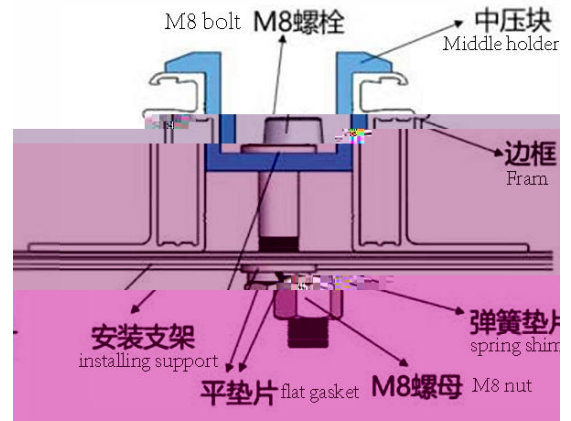
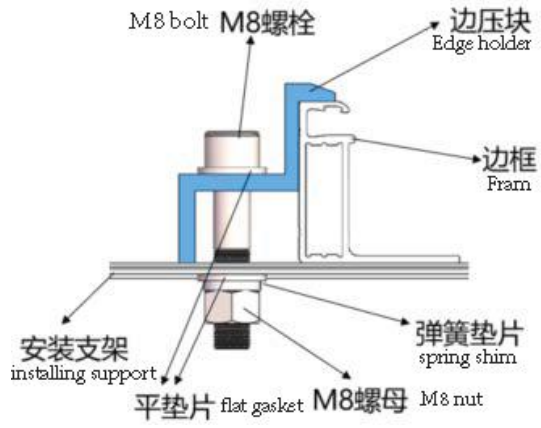
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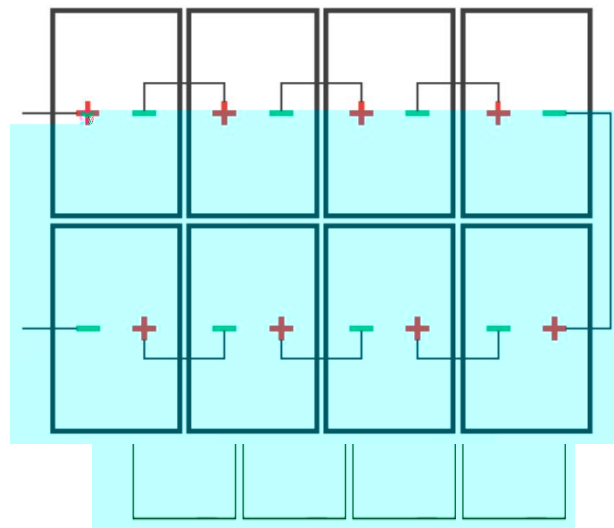
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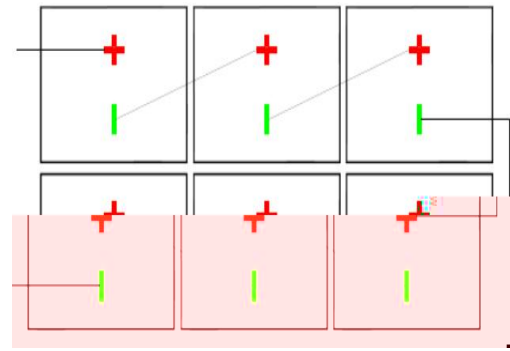
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1. Use a grounding hole to ground

零件 part	schematic diagram	连接方式 link mode
		<p>Place star washers, flat washers, and ground wires in turn, thread screws through the ground holes, and tighten them to secure adjacent components.</p>

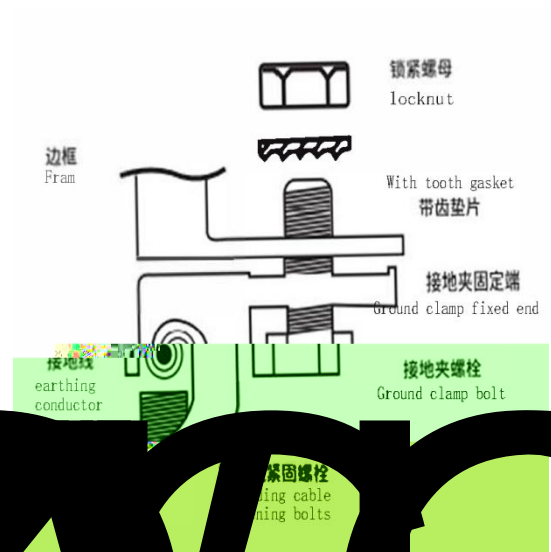
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