



# PV Module Installation Manual







% Introduction

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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.

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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

&" %; YbYfU` gUZYhm; i ] XY` ] bYg

8Ub[ Yf\* 8Ub[ Yf Xi Y hc 9 YWwf] Wg\cW\_





RG



AcXi`Y j c` hU[Y fUh] b[ž VcbXi Vhcf WffYbh fUh] b[ž Zi gY g] nYž UbX Vcbhf c` XYj ] W` g] nY VcbbYVhYX  
hc h\Y DJ ci hdi hž h\Y j U i Yg cZ =G7 UbX JC7 aUf\_YX cb h\Y AcXi`Y g\ci`X VY ai`h] d` ] YX Vm% &  
h] aYg"

acXi`Yg ] b h\]g Udd` ] WUh] cb WUgg WUb VY i gYX ] b gmg hYag k] h\ 87AgR hU[Yg [fYUhYf h\Ub ) \$J  
cf &(\$K" acXi`Yg h\h dUgg =97\*%+ ' \$ WUb VY Vcbg] XYfYX hc aYh h\Y fYei ] fYaYbhg cZ gUZYhm@j Y`  
=="

&" & DfcXi Vh DfchYVh] cb

8c bch UhhYadh hc fYacj Y h\Y AcXi`Y"

8c bch UhhYadh hc fYacj Y Ubm bUaYd` UhYg cf dUf hg"

8c bch cdYb h\Y ^i bVh] cb Vcl i bXYf Ubm WfW aghUbWg"

8c bch VcbbYVh VXcW\_YX cf VcbhUa] bUhYX d` i [g"

Mti aUmcb` macX] Zmh\Y acXi`Yg UZhYf >8 Bfig kf] hhYb VcbZ] faUh] cb"

8cR bch UhhYadh hc XF] `` \c`Yg ] b h\Y acXi`Yg fIZcf YI Uad` Yž hc ] bghU` ZUghYbYf gk"

I gY cb` m] bgi` Uh] cb hcc` g gdYW] U` Zcf Y` YVhf] WU` ] bghU` Uh] cb"

8c bch i gY RUVcbWbhfUh] b[ XYj Ugg flgi VU Ug U a] ffcf cf `Ybgk hc hf m hc ] bWYUg h\Y dckYf  
[YbYfUh] cb cZ h\Y AcXi`Y" Hgg U` ckg h\Y acXi`Yg hc VY XUaU[YX Ubb] bch Wj YfYK"

8c bch gei YYnYž \] hž cf gVUhW hW hYadYfX [ `Ugg cZ h\Y d\chcj c` hU] WacXi`Y k] h\ g\Ufd cV^YVhg"

&"' HfUbgdcfh UggGhcf b b



8c bch i gY h\Y W\W Y cf ^i bVh] cb Vcl hc ` ] Zh cf acj Y h\Y UggYaV mi bXYf Ubm W\ fW aghUbV\g°

8c bch d` UW\ Ubm \UfX cV^YVhg cb h\Y i ddYf UbX `ckYf gi fZUW\g cZ h\Y UggYaV m'

8c bch Yl dcgY h\Y gi fZUW\ cZ h\Y AcXi `Y hc aY\U] W\ ghfYgg"

8c bch ghUbX cb acXi `Yg"

8c bch Xfcd cf d` UW\ cV^YVhg cb h\Y acXi `Yg"

' " AY\U] W\ =bghU `Uh] cb

' "%g] hY gY` YVh] cb

acXi `Yg UfY W\fh] Z] YX hc ghUbXUfXg gi W\ Ug =97 \*%&9 Zcf gUZY cdYfUh] cb ] b a] `X kYUh\Yf

W\bx] h] cbg" K\Yb ] bghU ` ] b[ acXi `Yg Uh \] [Va[V] Yc ] ža"



9bgi fY UXYeI UhY j Ybh]`Uh]cb Uh h\Y VUW\_ cZ h\Y AcXi`Y"

9bgi fY h\Y `cb[! hYfa ghUM]` ]hm cZ h\Y gi ddcfh"

9bgi fY h\Uh Y`YWhfcWXYa]WU` Wcf fcg]cb Yg bch WUi gYX Vm h\Y i gY cZ aYhU`g ]b X]fYVh WcbhUWh  
f]`Y" [fci bX k]fYgž gWfYkgž kUg\Yfgž YhWŁ"

5`ck Zcf ghfU]b! ZfYY YI dUbg]cb UbX WcbhfUWh]cb Xi Y hc WXUb[Yg ]b h\Y bUhi fU` UaV]Ybh  
hYadYfUhi fY"

' "' I b]j YfgU` ]bghU`Uh]cb

5ggYaV ]Yg ]bghU`YX ]b gYf]Yg g\U` Ybgi fY h\Y gUaY cf]YbhUh]cb UbX ]bW]bUh]cb 5b[`Y"

8] ZZYfYbWg ]b cf]YbhUh]cb cf ]bW]bUh]cb fIX ZZYfYbh ]`i a]bUh]cbŁ Wb fYgi`h ]b`cgg cZ ci hdi h  
dckYf"



Figure1 Angle of Module installation

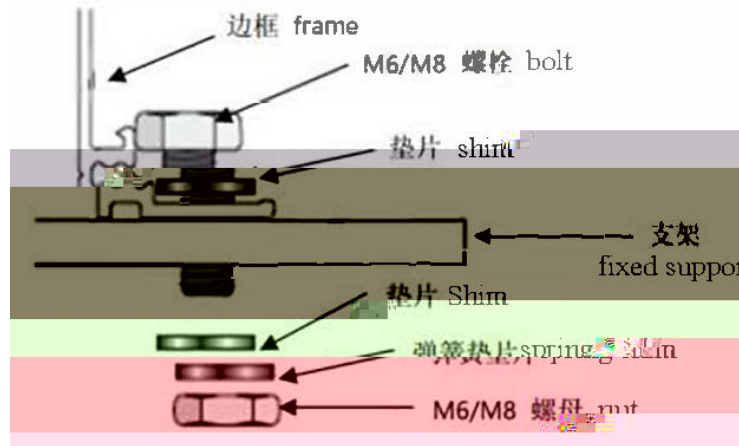
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Zcf gi VgYeI Ybh aU]bhYbUbWV" A]b]a]nY h\Y f]g\_ cZ ]bX]fYVh





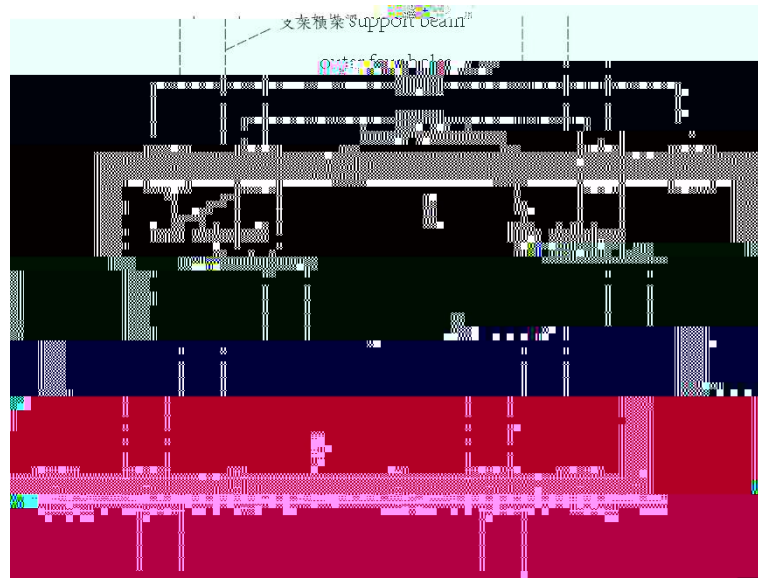
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K\Yb gY` YVh] b[ U ` \$aa \Y] [\h ZfUaY UggYaV mZ ] h ] g fYVttaaYbXYX hc gY` YVh ZUghYbYfg k] h\ U ` Yb] h\ cZ ` Ygg h\Ub &\$aa"



' " (" % aci bh] b[ \c` Y ] bghU` Uh] cb

6c` h aci bh] b[ acXY f] bbYf ( \c` Yg dYf dYbX] W` Uf hc h\Y ` cb] g] XY



AcXi`Y hmdY	D\chcj c` hU] WacXi`Y g] nY @ Kl < flaat	: ci f \c` Y aci bh] b[ ] b Vc` h flhYgh` cUX DUk
NH! B8+, <8	&(*) t % ( t' \$	) (\$DU#! & (\$\$DU
NH! B8+&<8	&&+, t % ( t' \$	) (\$DU#! & (\$\$DU



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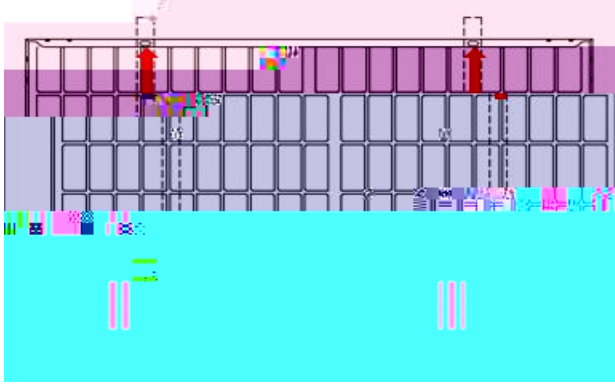
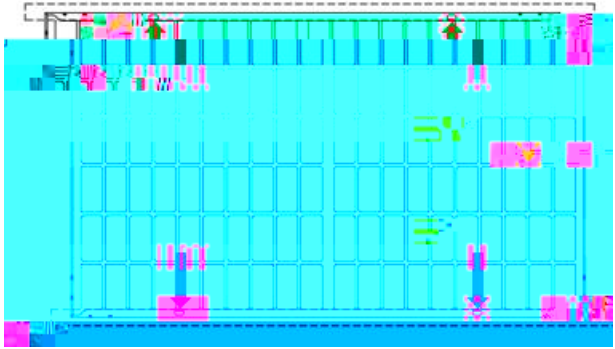
H\Y W\Ua ]g

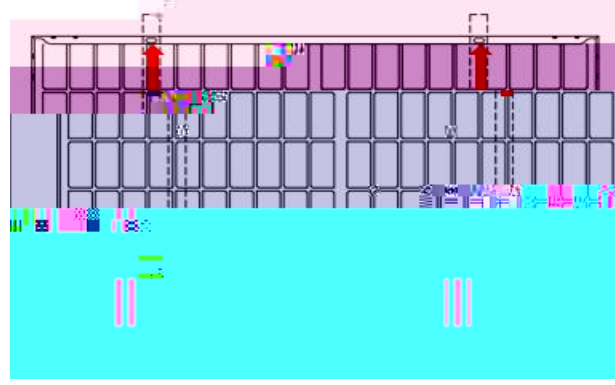
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h\Y `cb[ g]XY

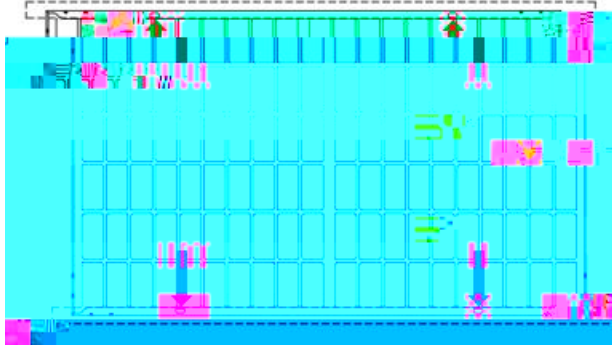


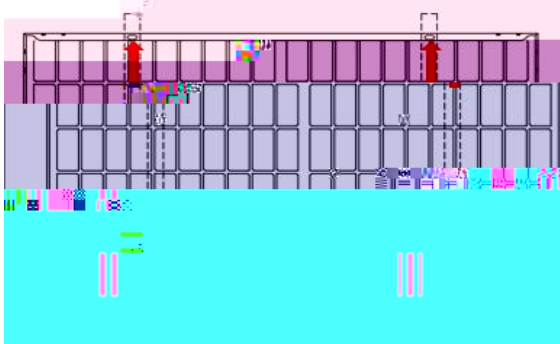
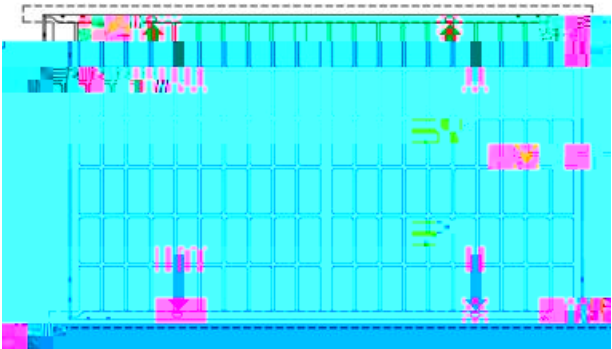
Jiangsu

<p>NH B8* \$ &lt; 8</p>	<p>% \$, † % († ' \$</p>	 <p>H\Y `cb[ ZfUaY ]g aci bhYX k]h\ ( Vc` hg f% \$ \$aa \c` YgtZ UbX h\Y [i]XY fU]` ]g j Yfh]W] `m` cb[</p>	<p>) (\$ \$DU #! &amp; (\$ \$DU</p>
		 <p>H\Y `cb[ ZfUaY ]g ] bghU` YX k]h\ ( Vc` hg fl+ \$ \$aa \c` YgtZ UbX h\Y [i]XY fU]` W] bW]XYg k]h\ h\Y `cb[ ZfUaY</p>	<p>' * \$ \$DU #! &amp; (\$ \$DU</p>

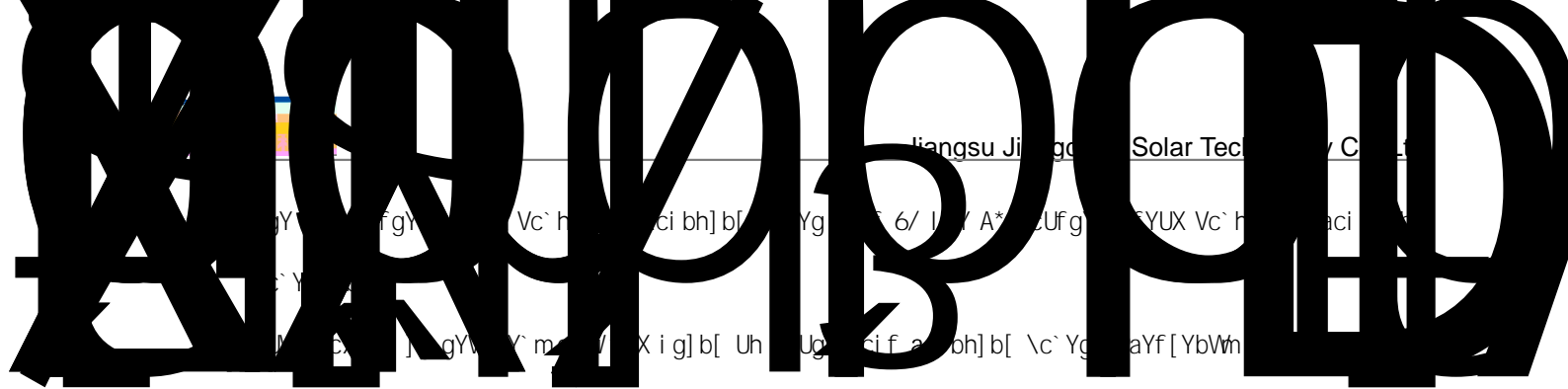
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<p>NH B8+ &amp; &lt; 8 NH B9* * &lt; 8</p>	<p>&amp;&amp;+, † % († ' \$ &amp;' , &amp; % († ' \$</p>	 <p>H\Y `cb[ ZfUaY ]g aci bhYX k]h\ ( Vc` hg f% \$ \$aa \c` YgtZ UbX h\Y [i]XY fU]` ]g j Yfh]W] `m` cb[</p>	<p>) (\$ \$DU #! &amp; (\$ \$DU</p>



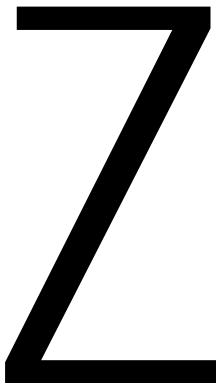
		 <p>H\Y `cb[ ZfUaY ]g ] bghU` `YX k]h\ ( Vc` hg fI%(\$\$aa \c` YgtZ UbX h\Y [i]XY fU)` Wt]bWjXYg k]h\ h\Y `cb[ ZfUaY</p>	<p>' *\$\$DU #! &amp;(\$\$DU</p>
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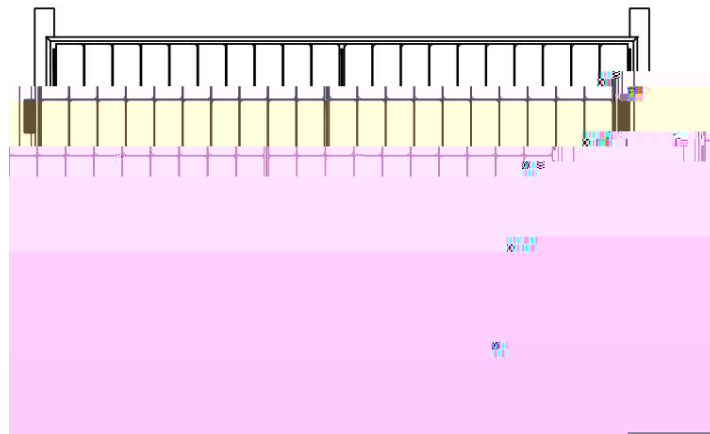
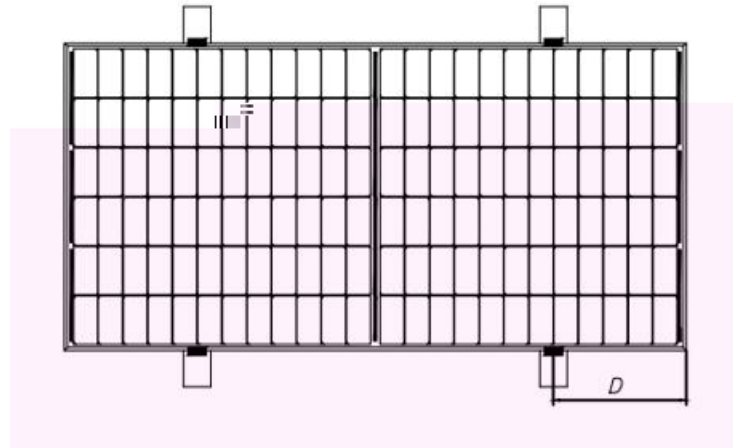
AcXi`Y hrdY	D\chcj c` hU]W acXi`Y g]nY @ Kf < flaaŁ	=bghU` Uh] cb X]U]fUa	@cUXj U`iY
NH B8+, <8	&(*)f% (f' \$	 <p>H\Y `cb[ ZfUaY ]g ] bghU` `YX k]h\ ( Vc` hg fI% \$\$aa \c` YgtZ UbX h\Y [i]XY fU)` ]g j Yfh]Wj` m` cb[</p>	<p>)(\$\$DU #! &amp;(\$\$DU</p>
		 <p>H\Y `cb[ ZfUaY ]g ] bghU` `YX k]h\ ( Vc` hg fI% \$\$aa \c` YgtZ UbX h\Y [i]XY fU)` Wt]bWjXYg k]h\ h\Y `cb[ ZfUaY</p>	<p>' *\$\$DU #! &amp;(\$\$DU</p>

acXi`Yg gU` WY Vc` hYX hc h\Y gi ddcfh h\Yci [ \ aci bh]b[ \c` Yg` cWjYX cb h\Y VUW\_cZ h\Y ZfUaY"  
8c bch Xf]`` UXX]h]cbU` \c` Yg cf mci k]`` bch WY Wtj YfYX"



UfY U`gc i gYX ]Z h\YfY ]g UXX]h]cbU`k]bX cf`gbck`cUX" GmghYa &Yg] [XYfg UbX ]bghU`Yfg gYXngX  
 WU`W`UhY h\Y`cUX ]b UXj UbW`hc aU`Y h\Y Vcf`cfh ghfi Wni fY XYg] [b"  
 I gY Uddf cdf] UhY Wcf]cb Pfg]ghUbh ZUghYbYfg ]bWi X]b[ Vc`hgZ`gdf]b[ kUg\YfgZ` Uh kUg\YfgZ`  
 bi hg" A, Vc`h h] [\hYb]b[ hcfei Y fYZYfYbW j U i Y %\* r &\$ B a/ H\Y fYZYfYbW hcfei Y cZ A\* Vc`hg  
 fUb[Yg Zfca - hc %\* B a" 6YWi gY Vc`h aU`Yf]g abmj Ufz h\Y gdYW]Z]Whcfei Y j U i Y XYdYbXg  
 cb h\Y Vc`h gi ddg]Yf fig VcbZ]faUh]cb" 5bX h\Y dUfhg ]b VcbhUWh k]h\ h\Y ZfUaY gU` i gY U Z` Uh  
 kUg\Yf k]h\ U X]UaYhYf cZ %\*aa cf Uvcj





: ] [ i f Y ) H Y [ i ] X Y f U ] ` ] g Z ] h h Y X k ] h \ U g \ c f h Z f U a Y

° BchY.

h\Y `Yb[h\ cZ h\Y VfUW\_Yh ai gh VY `cb[Yf h\Ub h\Y g]nY cZ h\Y d\chcj c`hU]WacXi `Yž ch\Yfk]gY  
 ] h g\ci `X VY WcbZ] faYX Vm>] Ub[Xcb[ @[\h 9bYf[m]b UXj UbW/ H\Y UWcj Y X] U[fUa ]g h\Y ] bghU `Uh] cb  
 aYh\cX i g]b[ U`i a]bi a dfYgg]b[ V`cW\_g fIU gc \_bckb Ug Z]I hi fYgE" 8 ]bX] WWhYg h\Y U`ckUV`Y  
 ] bghU `Uh]cb fUb[Y cZ U`i a]bi a V`cW` : cf gdWY\_Z] WfYW`aaYbXYX ] bghU `Uh]cb dcg]h]cbg UbX  
 WcfYgdcX]b[ cb! VcUfX j U`i Ygž gYY HUV`Y` / 9UW U`i a]bi a V`cW\_ ]g Z]hhYX k]h\ Ub A, Vc`hž hkc  
 Z`Uh kUg\Yfgž U gdf]b[ kUg\Yfž UbX Ub A, bi h" H\Y gYWf]b[ ghYdg UfY Ug Zc``ckg.

D`UW h\Y UggYaV`mcb hkc gi ddcfhg flbch dfcj]XYXE" H\Y VfUW\_Yh ai gh VY aUXY cZ ghU]b`Ygg ghYY`



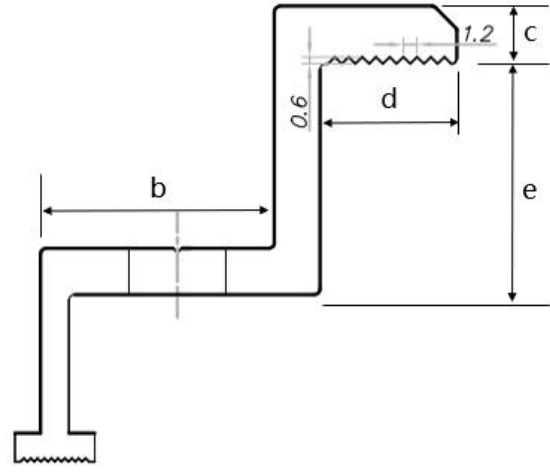
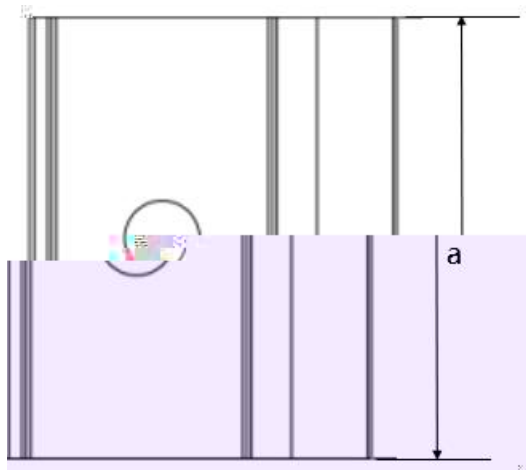
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6Y gi fY hc Uj c]X h\Y g\UXck WUj gYX Vmh\Y Z]I hi fY cb h\Y AcXi` Y g\Y` X]b[ YZZYVh` H\Y` YU` \c` Y g\ci` X bch VY V` cWYX Vmh\Y Z]I hi fY" H\Y Z]I hi fY ai gh cj Yf` Ud k]h\ h\Y UggYaV` mZfUaY VmUh` YUgh , aa Vi h bch acfY h\Ub %aa flh\Y Z]I hi fY gYVh]cb WUb VY WXUb[YX ]Z h\Y UggYaV` m]g ] bghU` YX fY` ]UW` nt"

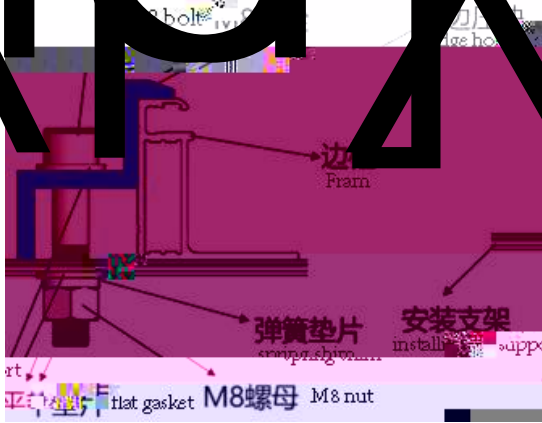
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=Z h\YfY ]g bc [fccj Y cb h\Y gi ddcfhz ]h ]g bYVWggUf mhc Xf]` ` U \c` Y k]h\ U gi ]hUW` Y X]UaYhYf ]b h\Y Uvcj Y aYbh]cbYX dcg]h]cb Zcf Vc` h Z]I ]b["

9bgi fY h\Uh h\Y ]bghU` Uh]cb gYei YbW cZ YUW dfYgg V` cW ]g Z` Uh kUg\Yfz gdf]b[ kUg\Yfz bi h" : ] [i fY + UbX , UfY h\Y gWYaUh] WX]U[fUa cZ h\Y V` cWz UbX : ] [i fY - UbX : ] [i fY %\$ UfY h\Y gWYaUh] W X]U[fUa cZ h\Y ]bghU` Uh]cb cZ h\Y V` cW" H\Y g]nY cZ h\Y V` cW ]g U \*\$ aaž V %\* aaž W ) aaž X , aaž Y %aaž 1 - aaž UbX h\Y h\]W\_bYgg cZ h\Y V` cW ]g 'aa" K\Yb Vc` hg UbX gWYkg UfY fUhYX , " , ž h\Y fYVtaaybXYX h] [\hYb]b[ hcfey Y ]g %+ hc & B a"



: ] [i fY+ Hcd j]Yk cZ g]XY dfYgg V` cW : ] [i fY, 7fcgg! gYVh]cb X]U[fUa cZ h\Y g]XY dfYgg]b[ V` cW



: ] [ i fY - = bghU`Uh] cb X] U[ fUa cZ YX[ Y V` cW\_ : ] [ i fY%\$ = bghU`Uh] cb X] U[ fUa cZ aYX] i a dfYggi fY V` cW\_

Hc dfY] Ybh h\Y UggYaV` mZfca ZU` ] b[ cZZ h\Y ZfUaY UZhYf ] bghU`Uh] cbz` ] h ] g fYWaaYbXYX hc gY` YW`  
 h\Y YX[ Y aci bh] b[ dfYgg V` cW\_ UbX h\Y a] XX` Y aci bh] b[ dfYgg V` cW\_ k] h\ dUhhYfb [ fccj Y ghfi W`i fY cb  
 h\Y W`bhUV` gi fZUW` cZ h\Y ZfUaY 5z h\Y fYWaaYbXYX bi aVYf cZ dUhhYfb [ fccj Y ghfi W`i fY ] g UVci h` z  
 h\Y X] ghUbW` VYhkYYb UX^UW`bh dUhhYfb [ fccj Y ] g UVci h` % &aaž UbX h\Y XYdh` cZ dUhhYfb [ fccj Y ] g UVci h`  
 \*aaž Ug g\ckb ] b : ] [ i fY , " , : cf` hY ] bghU`Uh] cb aYh\cX g\ckb ] b





aUhYf]U`g" : cf Yi Uad`Yž h] [\hYb h\Y A, Vc`h hc U hcfei Y fUb[ ] b[ Zfca %\* hc &\$B a" 9bgi fY h\Uh  
h\Y W] adYf XcYg bch ZU]` Xi Y hc XYZcfaUh]cb cf Wfffcg]cb k\Yb h\Y k\c`Y AcXi`Y ]g`cUXYX"

H\Y a] b] ai a fYWtaaybXYX`Yb[h\ cZ h\Y V`cW\_ ]g ) \$aaž cj Yf` Udd] b[ h\Y UggYaV` mZfUaY VmUh`YUgh  
, aa Vi h bch acfY h\Ub %&aa"

=Z h\Y AcXi`Y ]g bch ] bghU`YX Ug XYgW] VYX UVcj Yž h\Y UWhi U`cUX VYUf] b[ j U`i Y aUmVY fYXi W]X"

AcXi`Y hndY	D\chcj c`hU]W acXi`Y g]nY @ Kl < flakt	FYZYf hc : ] [i fY ' Zcf ] bghU`Uh]cb aYh\cXg	FYZYf hc : ] [i fY ( Zcf ] bghU`Uh]cb aYh\cXg	FYZYf hc : ] [i fY ) Zcf ] bghU`Uh]cb aYh\cXg
NHH B8) (<8	%+&& %%(i' \$	Ž' *\$\$DU#! &(\$\$DU Z]hh]b[ `]a]h 8 &**r(**aa	Ž) (\$\$DU#! &(\$\$DU Z]hh]b[ `]a]h 8 &**r(**aa	Ž% \$\$DU#! % \$\$DU Z]hh]b[ `]a]h 8 %\$r &) \$aaDU
NHH B9(, <8	%* & %%(i' \$	Ž' *\$\$DU#! &(\$\$DU Z]hh]b[ `]a]h 8 &**r(**aa	Ž) (\$\$DU#! &(\$\$DU Z]hh]b[ `]a]h 8 &**r(**aa	Ž% \$\$DU#! % \$\$DU Z]hh]b[ `]a]h 8 %\$r &) \$aa
NHH B8*\$<8	% \$, i %%(i' \$	Ž' *\$\$DU#! &(\$\$DU Z]hh]b[ `]a]h 8 ' &\$r) &\$aa	Ž) (\$\$DU#! &(\$\$DU Z]hh]b[ `]a]h 8 ' &\$r) &\$aa	Ž% \$\$DU#! % \$\$DU Z]hh]b[ `]a]h 8 %\$r &) \$aa



Ž' \*\$\$DU#! &(\$\$DU Ž) (  
NHH B8+&<8 &&+, †%% (†' \$ Z] hh] b[ `] a] h 8  
( ' \$r)' \$aa





WtbbYWh] cbg"

acXi`Y k] f] b[

\Y Y`YWf] WU` dfcdYfh] Yg cZ h\Y acXi`Yg kYfY XYhYfa] bYX i bXYf ghUbXUfX hYgh WtbX] h] cbgž ] " Y"

` ] [\h ] bhYbg] hU



cf h\Y j c`U[Y X] ZZYfYbWV ]g fYUh h\Ub %\$Jž h\Y ghfi Whi fU` VčbZ] [i fUh] cb ]g WXYW\_YX VYZcfY  
h\Y Wč YVh] cb ]g aUXY"

[Uf] ccb[ Gc` Uffig gc` Uf` Xi` Yg i gY gdYVU` d\chcj c` hU] WWWW` Yg k] h\ U Wcgg! gYVh] cbU` UfYU  
[fYUhYf h\Ub cf Yei U` hc (aa` UbX UfY I J! dfccZ" 5` ch\Yf WVV` Yg i gYX hc VčbbYVh] 87 grghYag  
g\ci` X \Uj Y g] a]` Uf flcf \] [\YfŁ gdYVY] Z] VUh] cbg" >] Ub[Xcb[ @[\h 9bYf [mfYVčaaYbXg h\Uh U`  
WWW` Yg g\ci` X WY` U] X ] b UddfcdF] UhY d] dY` ] bYg cf WVV` Y g` chg UbX UkUm Zfca d` UWYg dfcbY hc  
kUhYf UWWW ai` Uh] cb" H\Y j c` hU[Y cZ h\Y ghf] b[ ai gh bch VY \] [\Yf h\Ub h\Y aU] ] ai a j c` hU[Y h\Uh  
h\Y grghYa WUb k] h\ghUbXž UbX h\Y aU] ] ai a ] bdi h j c` hU[Y cZ h\Y ] bj Yfhyf UbX ch\Yf Y` YVhf] WU  
Yei ] daYbh ] b h\Y ] bghU` Uh] cb grghYa" Hc Ybgi fY h\] gž h\Y cdYb WYfWV] h j c` hU[Y cZ h\Y UffUm  
bYYXg hc VY WU W` UhYX Uh h\Y `ckYgh YI dYVhYX UaV] Ybh hYadYfUhi fY Uh h\Uh `cWUh] cb"  
H\Y ci hYf X] UaYhYf cZ h\Y WVV` Y fUb[Yg Zfca ) aa hc +aa"

GdYVU` d\chcj c` hU] WWWW` Yg k] h\ U a] b] ai a hYadYfUhi fY UbX `] [\h fYg] ghUbWV` cZ -\$v 7 UbX U  
Wcgg gYVh] cb cZ bch` Ygg h\Ub (aa` g\U` VY i gYX Ug d\chcj c` hU] WVVčbbYVh] cb WVV` Yg Zcf cbg] hY  
k] f] b[" K\Yb ] bghU` ] b[ acXi` Yg cb h\Y fccZ h] `Yž ] h ] g fYVčaaYbXYX hc i gY (! \*aa` d\chcj c` hU] W  
WVV` Yg"

H\Y a] b] ai a VYbX] b[ fUX] i g cZ h\Y WVV` Y ] g ('aa"

K] f] b[ acXY

G\cfh `] bY ghfU] [\h VčbbYVh] cb hmdY 7

BchY. H\Y YbXg cZ h\Y i ddYf UbX `ckYf fckg bYYX

hc VY VčbbYVhYX ] b gYf] Yg

JYfh] WU` UggYaV` m cZ acXi` Yg.

Gf` YVh U ghUbUX g\cfh WVV` Y



7cadd...  
^ccgY Zfca ghUbXUFX`cb[ WUV`Y Wghca

(" ( YUfh\]b[ V`bXi Wncf

acXi`Yg ai gh VY [fci bXYX" 9bgi fY h\Uh h\Y

acXi`Yg aYyh gUZYhm`YjY` ==ž UbX h\Uh h\Y [fci bX]b[ aYh\cX W`ad`]Yg k]h\`cWU` bUh]cbU`ž  
fY[]cbU`ž cf ]bhYfbUh]cbU` fY[i`Uh]cbgž`Ukgž UbX ghUbXUFXgž UbX`cWU` Y`YWhf]WU`X]fYWh]j Yg  
UbX fY[i`Uh]cbg" H\Y [fci bX W`bbYWh]cb g\ci`X VY dYfZcfAYX Vm ei U ]Z]YX Y`YWhf]WU`Ubg"

[fci bX]b[ Udd`]Yg cb`mhc h\Y acXi`Yg k]h\ U ZfUaY" H\Y ZfUaY cZ h\Y W`adcbYbh ai gh VY dfcdYf`m  
[fci bXYX" H\Y [fci bX k]fY ai gh VY dfcdYf`m gYWfYX hc h\Y UggYaV`m ZfUaY hc Ybgi fY [ccX  
YbUbf]WU` W`bhUm]cYhg h\Y fYW`aaYbXYX hndY cf Yei]j U`Ybh W`bbYWh]cb WUV`Y"

H\Y XYg][b cZ h\Y d\chcj c`hU]WacXi`Y i gYg UbcX]nYX W`ffcg]cb fYg]ghUbh U`i a]bi a U`cmZfUaY  
Ug U f][]X gi ddcfh" =b cfXYf hc i gY gUZYhm]UbX Uj c]X h\Y XUaU[Y cZ`][\hb]b[ UbX ghUh]W  
Y`YWhf]WU`hnž h\Y ZfUaY cZ h\Y d\chcj c`hU]WacXi`Y ai gh VY [fci bXYX" K\Yb [fci bX]b[ž h\Y  
W`bbYWh]cb XYj]W ai gh VY Zi hYm]b W`bhUWh k]h\ h\Y ]bhYf]cf cZ h\Y U`i a]bi a U`cmUbX dYbYhfUhY  
h\Y cl gXX Z]`a čYh\Y gXfZWW cZ gXY ZfUaY"



W`bbYWh]cb` Ubm UXX]h]cbU` [fci bX`c`Yg ]b h\Y ZfUaY cZ h\Y d\chcj c`hU]WacXi`Y"

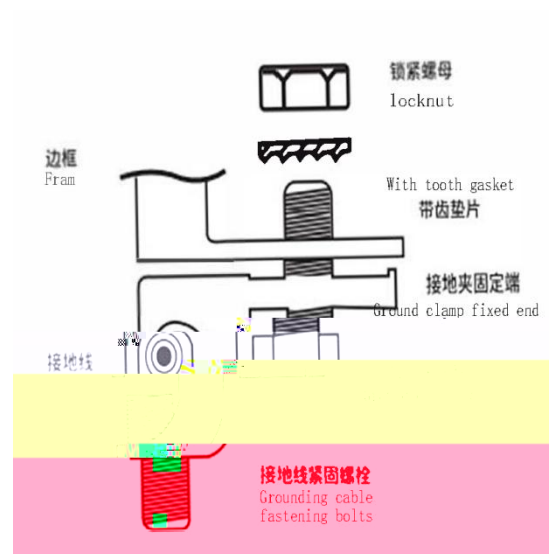
H\Y W`YY aUf\_YX k]h\ U [fci bX]b[`UVY`cb h\Y VcfXYf WU`YWhf]WU`X]fY [fci bX]b[ cb`m"

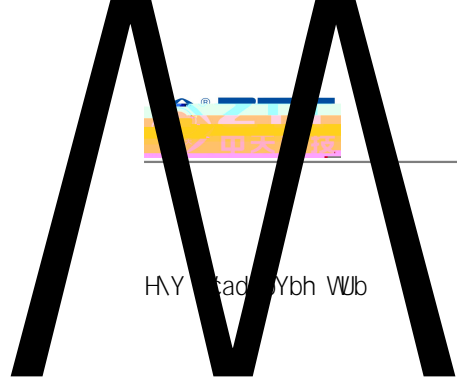
°Y ž j b



HY aYX] bY cZ h\Y [ fci bX ` UWy` cj Yf` UddYX k] h\ h\Uh cZ h\Y \c` Y ] b h\Y gUaY X] fYVh] cb Ug h\Y ` Yb[ h\ cZ h\Y V` XYf" H\Y [ fci bX] b[ VYhkYYb acXi ` Yg ai gh VY VcbZ] faYX VmU ei U` ] Z] YX Y` YVhf] W] Ubz BbX h\Y [ fci bX] b[ XYj ] W ai gh VY aUbi ZUWhi fYX VmU ei U` ] Z] YX Y` YVhf] W] aUbi ZUWhi fYf" H\Y nU [

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 wires, and tighten them to secure adjacent components.</p>





Jiangsu Jiangdong Solar Technology Co.,Ltd

HY fad Ybh WJb



5ddYUfUbW ]bgdYVh]cb cZ acXi`Yg J]gi U`m]bgdYVh h\Y UddYUfUbW cZ acXi`Yg Zcf XYZYVhgž ]b  
dUfh]W`Uf.

% H\Y [ `Ugg cZ h\Y WzadcbYbh ]g Vf\_c\_Yb"

&" 7cffcg]cb Uh h\Y kY`X]b[ cZ h\Y VUhhYfmaU]b [UhY. Xi f]b[ ]bghU`Uh]cb cf hfUbgdcfhUh]cbž  
h\Y gYfZUCh]c



VčbhU] b] b[ U \_U' ] UbX UWYX hc WYUb acXi `Yg" 8i Y hc XUaU[Y Wli gYX Vm] adfcdf WYUb] b[ aYh\cXgž  
>] Ub] Xcb[ Gc` Uf @] a] hYX kUffUbhm k] `` VY j c] X  
7\YW\_ VčbbYWfcfg UbX WUV Yg  
=h ]g fYWčaaYbXYX hc dYfZcfa U dfYj Ybh]j Y ]bgdYVh] cb Yj Yfm g]I acbh\g Ug Zc` `ckg.  
% 7\YW\_ h\Y h] [\hbYgg cZ VčbbYWfcfg UbX h\Y h] [\hbYgg cZ WUV Y VčbbYVh] cbg"  
& 7\YW\_ h\Y gYU Ubh Uh h\Y ^i bVh] cb Vcl hc Ybgi fY h\Uh h\YfY ]g bc WUV] b[ cf [Ud" 7\YW\_  
acXi `Yg Zcf g] [bg cZ U] b[" =bgdYVh U ` k] f] b[ Zcf fcXYbh XUaU[Y UbX aUhYf] U U] b[ ž UbX U `  
VčbbYWfcfg Zcf h] [\h VčbbYVh] cbg UbX Wčffcg] cb" 7\YW\_ k\Yh\Yf acXi `Yg UfY dfcdYf` m[ fci bXYX"  
=Z Ubm\h] b[ [cYg kfc b[ ž d` YUgY \Uj Y ] h ] bj Ygh] [UhYX Vm U ei U ] Z] YX dYfgcb" BchY. FYUX h\Y  
gYfj ] WY ] bghfi Vh] cbg Zcf Ć