

1.

1.1	2
1.2	2
1.3	2

2.

2.1	3
2.2	4
2.3	4

3.

3.1	5
3.2	5
3.3	6
3.4	7

4.

4.1	14
4.2	14
4.3	14
4.4	16

5.

5.1	17
-----	----

5.2	18
5.3	18

1

- II IEC61730: 2023 (I IEC61730: 2016)
- A I IEC61730: 2004
- C UL790

1.1

www.ztt.cn

1.3

16

B

2

2.1



30V

30V

120V



1500V

/

PV

I SC V OC

1. 25

50V 240W

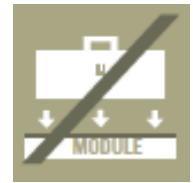
I EC61730

2. 2



(

2.3



3

3.1

I EC 61215

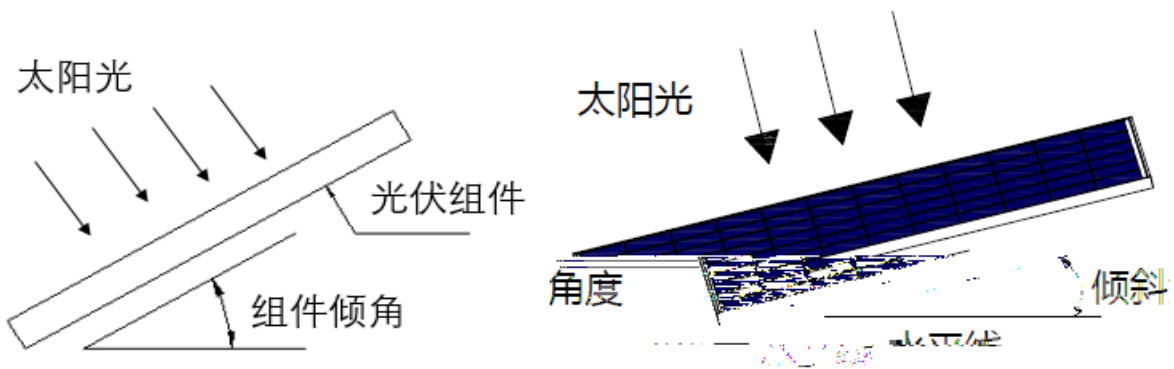
I P68

0.1Km

0.1Km 1Km

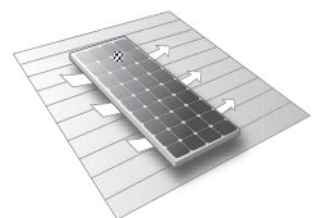
3.2

3.3



10mm

70%



UL

UL790

C

3.4

10cm

10mm

.

4

2

2

2

9x14mm 4 M8 400mm 7x10mm 4 M6

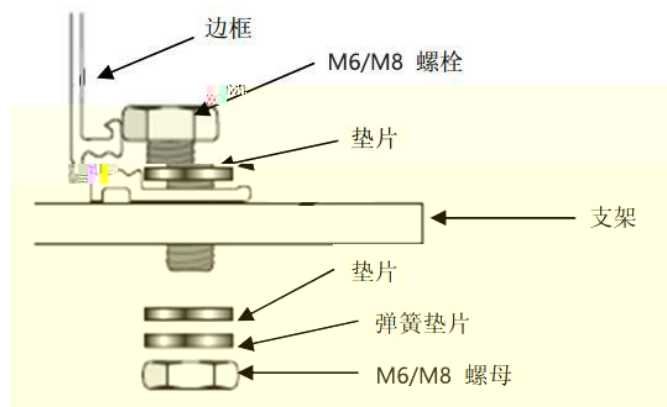
1. 5mm 16~18mm

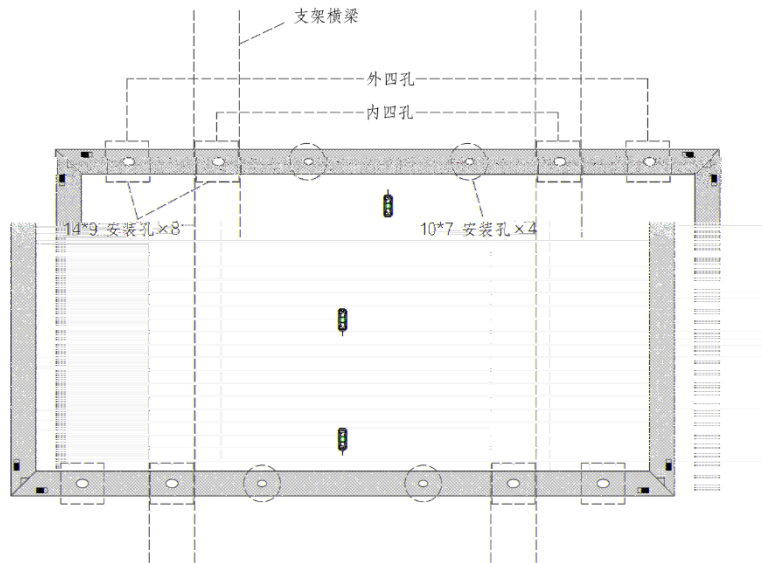
GB/T 3103.3 -

2020 A

M6 9 12N m M8 16 20N m

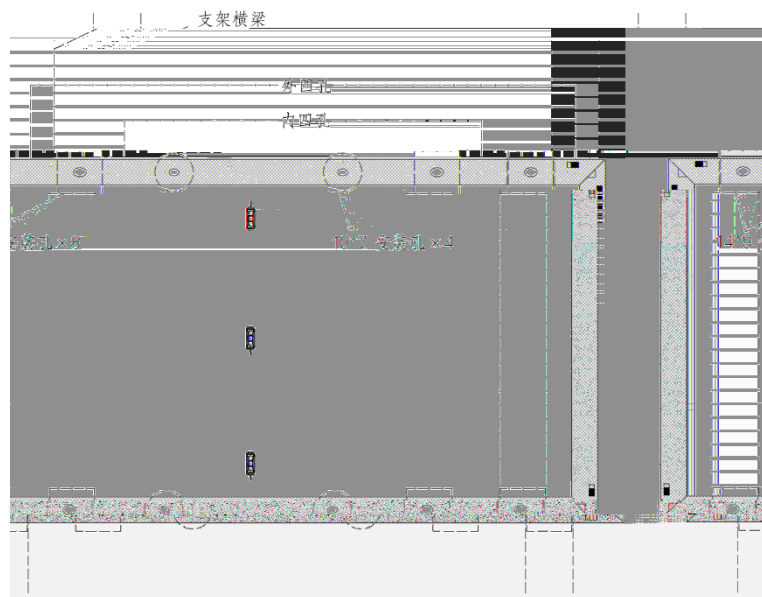
30mm 20mm





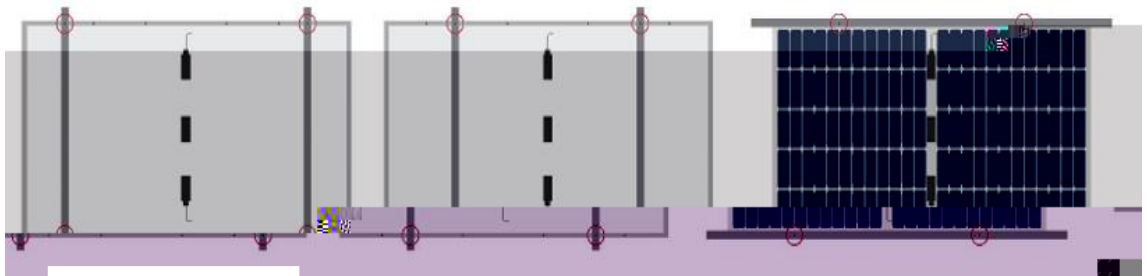
4

	L*WH (mm)	Pa
ZTT-ND78H-D	2465*1134*30	5400Pa/ - 2400Pa
ZTT-ND72H-D	2278*1134*30	5400Pa/ - 2400Pa
ZTT-ND60H-D	1908*1134*30	5400Pa/ - 2400Pa
ZTT-ND54H-D	1722*1134*30	5400Pa/ - 2400Pa
ZTT-NE48H-D	1762*1134*30	5400Pa/ - 2400Pa
ZTT-NE66H-D	2382*1134*30	5400Pa/ - 2400Pa

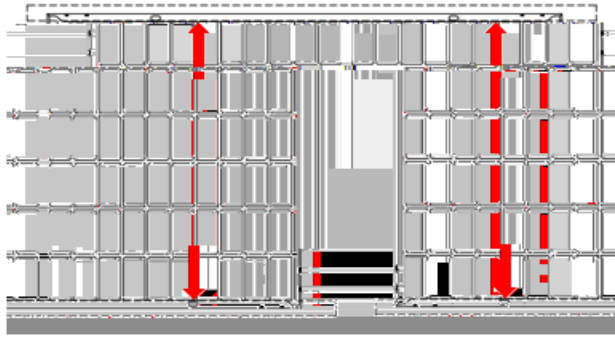


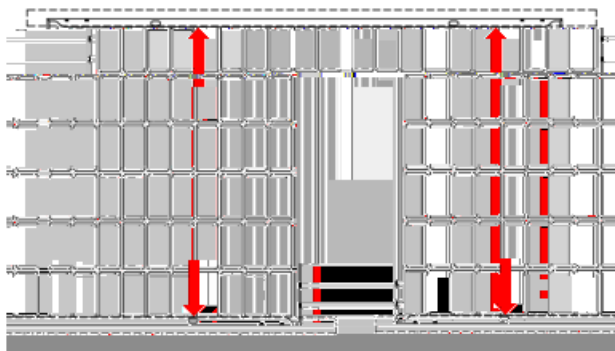
4

	L*WH (mm)	Pa
ZTT- ND78H-D	2465* 1134* 30	5400Pa/ - 2400Pa
ZTT- ND72H-D	2278* 1134* 30	5400Pa/ - 2400Pa
ZTT- ND60H-D	1908* 1134* 30	5400Pa/ - 2400Pa
ZTT- ND54H-D	1722* 1134* 30	5400Pa/ - 2400Pa
ZTT- NE48H-D	1762* 1134* 30	5400Pa/ - 2400Pa
ZTT- NE66H-D	2382* 1134* 30	5400Pa/ - 2400Pa

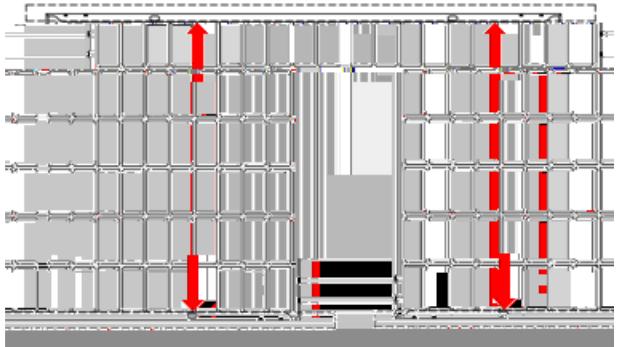


	L*WH (mm)		
ZTT- ND54H-D ZTT- NE48H-D	1722* 1134* 30 1762* 1134* 30	 4 (1100mm)	5400Pa / - 2400Pa

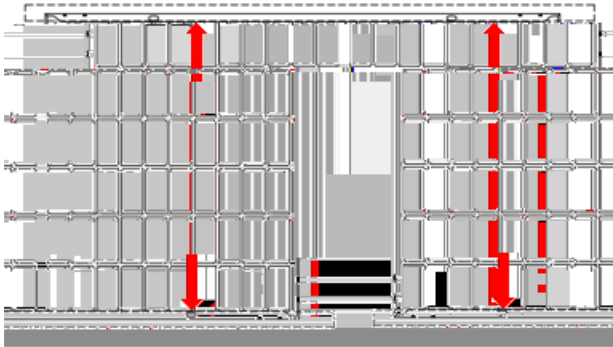
		 4 (1100mm)	3600Pa / - 2400Pa
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	L*WH (mm)		
ZTT- ND60HD	1908*1134*30	 4 (1400mm)	5400Pa / - 2400Pa
		 4 (790mm)	3600Pa / - 2400Pa

	L*WH (mm)		
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ZTT-ND72HD ZTT-NE66HD	2278*1134*30 2382*1134*30	 4 (1400mm)	5400Pa / - 2400Pa
		 4 (1400mm)	3600Pa / - 2400Pa

	L*WH (mm)		
ZTT-ND78HD	2465*1134*30	 4 (1600mm)	5400Pa / - 2400Pa

		 4 (1600mm)	3600Pa / - 2400Pa
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A

B

M8

C

M6

4

M8

16

M6

9

16mm

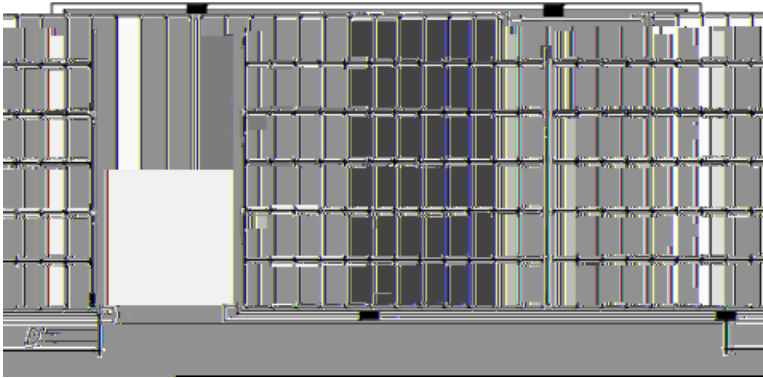
1. 8mm

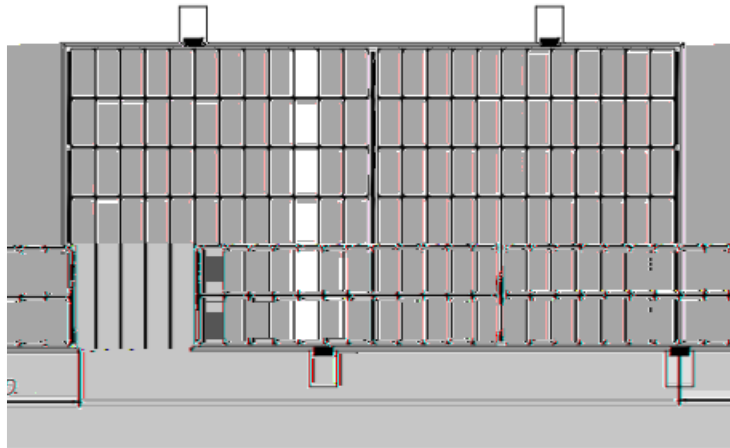
4

3

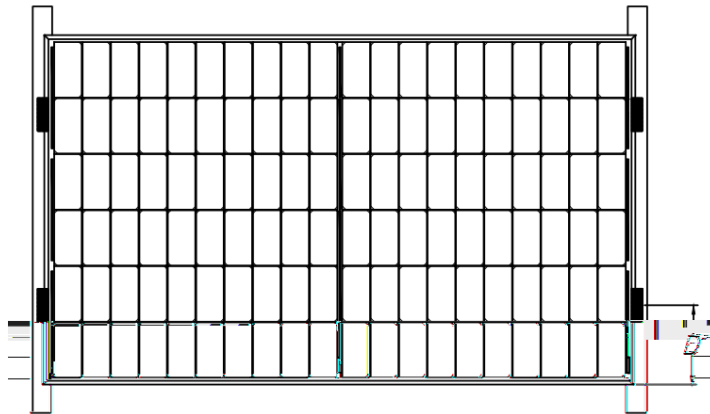
4

5





4



5

D

3

M8

M8

4

8mm

11mm

M8

7 8

9 10

a 60 mm, b 16 mm, c 5 mm

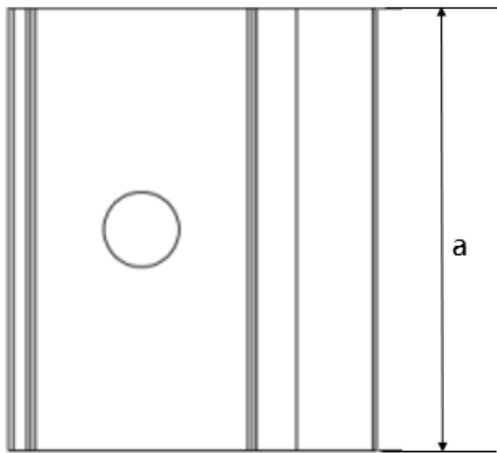
d 8mm e 15mm

3mm

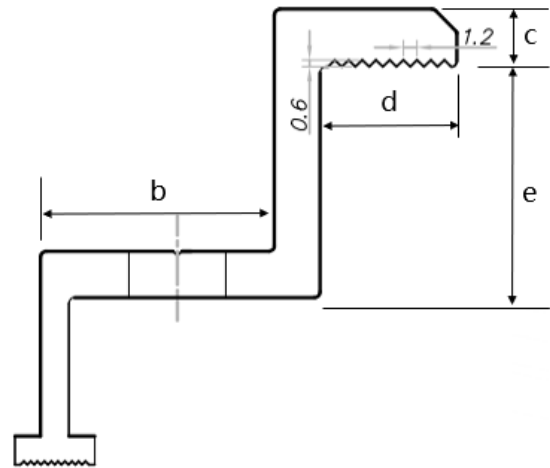
8.8

17 23N

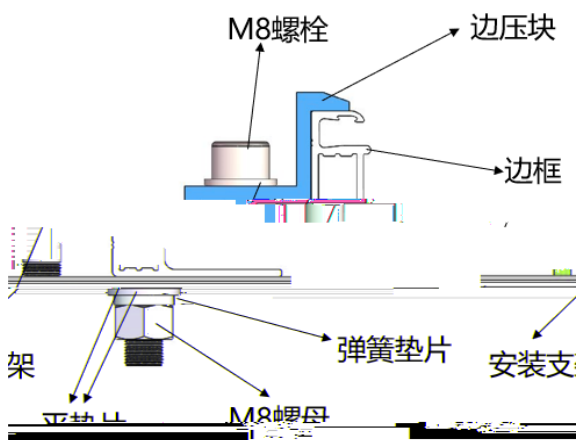
m



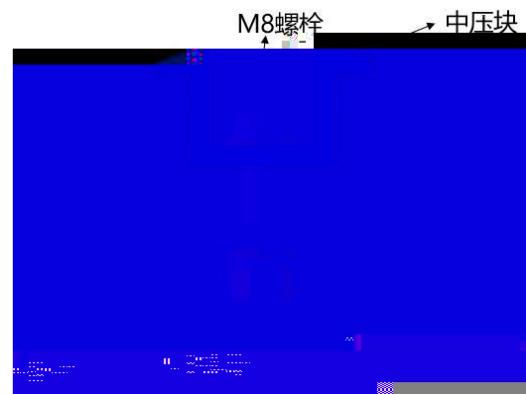
7



8



9



10

A

9 1.2mm 0.6mm 8

3 C 25mm

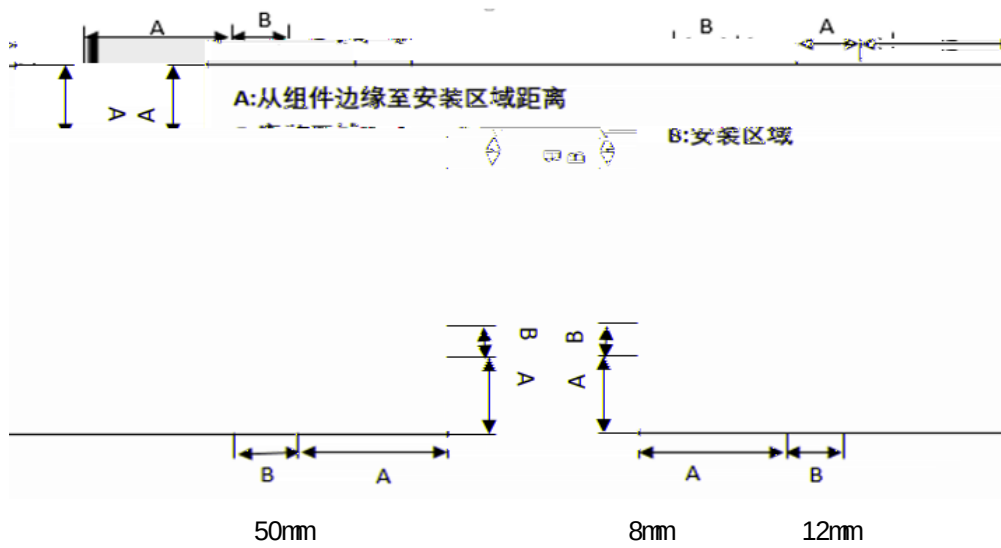
4

$m \approx 1.5$

M8

M8

16~20N m



	L*WH (mm)	3	4	5
ZTT- ND54H-D	1722*1134*30	+3600Pa/ - 2400Pa D 266~466mm	+5400Pa/ - 2400Pa D 266~466mm	+1800Pa/ - 1800Pa D 150~250mmPa

ZTT- NE48HD	1762* 1134* 30	+3600Pa/ - 2400Pa D 266~466nm	+5400Pa/ - 2400Pa D 266~466nm	+1800Pa/ - 1800Pa D 150~250nm
ZTT- ND60HD	1908* 1134* 30	+3600Pa/ - 2400Pa D 320~520nm	+5400Pa/ - 2400Pa D 320~520nm	+1800Pa/ - 1800Pa D 150~250nm
ZTT- ND72HD	2278* 1134* 30	+3600Pa/ - 2400Pa D 430~530nm	+5400Pa/ - 2400Pa D 430~530nm	
ZTT- NE66HD	2382* 1134* 30	+3600Pa/ - 2400Pa D 470~560nm	+5400Pa/ - 2400Pa D 470~560nm	
ZTT- ND78HD	2465* 1134* 30		+5400Pa/ - 2400Pa D 480~530nm	

4.

4. 1

4. 2

$$\frac{I_{sc}}{V_{oc}} = \frac{P_{ID}}{1.25}$$

4. 3

$V_{max} / \{V_{oc} \quad STC \quad [1+ t - 25 \quad ^\circ K]\}$:

V_{max}

$V_{oc} \quad v$

t

$Kv \quad / \quad ---$

90N

1000W/m $AM_{1.5}$ 25

1. 25

10V,

4mm

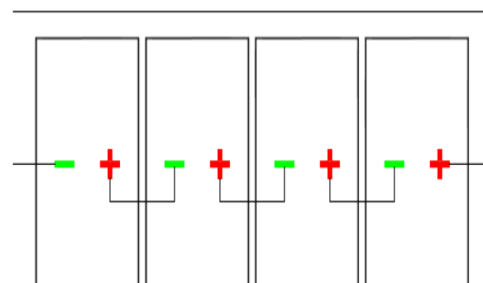
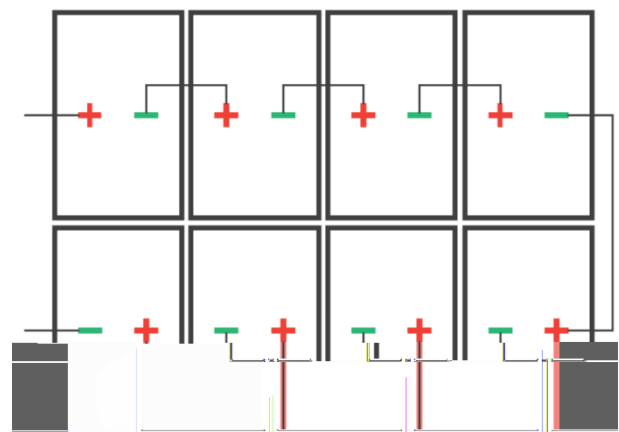
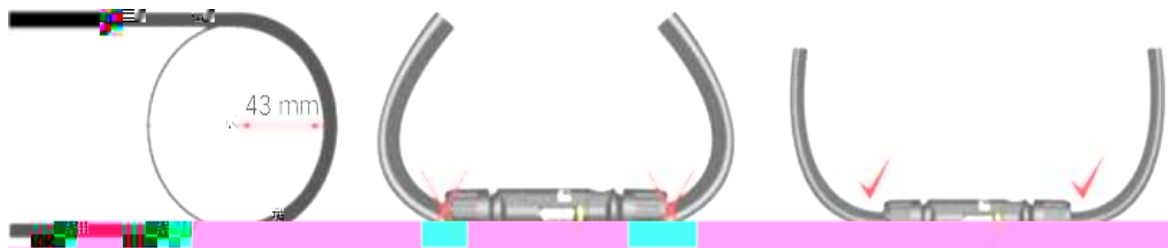
5-7mm

90 °C

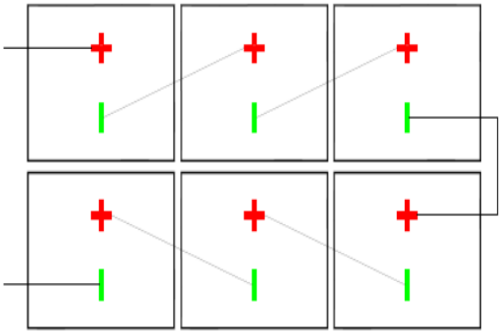
4mm

, 4-6mm

43mm



:



4.4

||

PID

:

1.

2. 3N m 12AVG

1

2

3-

	示图	连接方式
		将星形垫圈、平垫圈和接地线依次放置，使用螺钉穿过接地孔，再将其拧紧来固定相邻组件。

2.

1

2

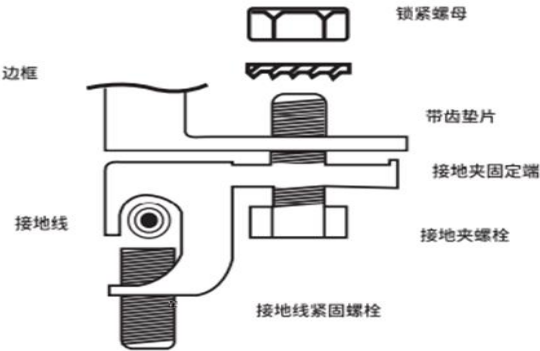
3

4

3.

5

5.1



5.2



5.3

1

2

a)

PH 6.5-8.5

b)

c)

d)

e)

f)

a) - e)

1

2

6.

Rev1.0	2024	9
Rev1.1	2025	6