



CERTIFICATE

No. Z2 078488 0089 Rev. 01

Holder of Certificate:

Suzhou Talesun Solar Technologies Co., Ltd.

No. 1 Talesun Road Changkun Industrial Park Shajiabang Town, Changshu 215542 Suzhou, Jiangsu Province PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product:

Crystalline Silicon Terrestrial Photovoltaic (PV) Modules

Mono-Crystalline Silicon Photovoltaic Module

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.:

704061707018-02

Valid until:

2023-10-14

Date.

2018-10-29

(Zhulin Zhang)





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Model(s):

TP672M-xxx, xxx= 275 to 390 in step of 5 TP660M-xxx, xxx= 230 to 325 in step of 5 TP654M-xxx. xxx= 205 to 280 in step of 5 TP648M-xxx, xxx= 185 to 250 in step of 5 TP6H72M-xxx, xxx= 335 to 390 in step of 5 TP6H60M-xxx, xxx= 280 to 325 in step of 5 TP672M(H)-xxx, xxx= 300 to 390 in step of 5 TP660M(H)-xxx, xxx= 250 to 325 in step of 5 TP654M(H)-xxx, xxx= 225 to 280 in step of 5 TP648M(H)-xxx, xxx= 200 to 250 in step of 5 TP6H72M(H)-xxx. xxx= 335 to 390 in step of 5 TP6H60M(H)-xxx, xxx= 280 to 325 in step of 5

xxx is standing for rated output power at STC

Parameters:

| Model (1000VDC system voltage normal modules) | Rated Output Power at STC |
|--|---|
| (1000VDC system voltage normal modules) | |
| TP672M-xxx, xxx= 275 to 390 in step of 5 | 275W,280W,285W,290W,295W,300W,305W, 310W,315W,320W,325W,330W,335W,340W, 345W,350W,355W,360W,365W,370W,375W, 380W,385W,390W |
| TP660M-xxx, xxx= 230 to 325 in step of 5 | 230W,235W,240W,245W,250W,255W,260W, 265W,270W,275W,280W,285W,290W,295W, 300W,305W,310W,315W,320W,325W |
| TP654M-xxx, xxx= 205 to 280 in step of 5 | 205W,210W,215W,220W,225W,230W,235W, 240W,245W,250W,255W,260W,265W,270W, 275W,280W |
| TP648M-xxx, xxx= 185 to 250 in step of 5 | 185W,190W,195W,200W,205W,210W,215W, 220W,225W,230W,235W,240W,245W,250W |
| TP6H72M-xxx, xxx= 335 to 390 in step of 5 | 335W,340W,345W,350W,355W,360W,365W, 370W,375W,380W,385W,390W |
| TP6H60M-xxx, xxx= 280 to 325 in step of 5 | 280W,285W,290W,295W,300W,305W,310W, 315W,320W,325W |
| Model (1500VDC system voltage normal modules) | Rated Output Power at STC |
| TP672M(H)-xxx, xxx= 300 to 390 in step of 5 | 300W,305W,310W,315W,320W,325W, 330W 335W,340W,345W,350W,355W,360W,365W, 370W,375W,380W,385W,390W |
| TP660M(H)-xxx, xxx= 250 to 325 in step of 5 | 250W,255W,260W,265W,270W,275W,280W, 285W,290W,295W,300W,305W,310W,315W, 320W,325W |
| TP654M(H)-xxx, xxx= 225 to 280 in step of 5 | 225W, 230W, 235W, 240W, 245W,250W, 255W,260W,265W,270W,275W, 280W |
| TP648M(H)-xxx, xxx= 200 to 250 in step of 5 | 200W,205W,210W,215W,220W,225W,230W, 235W,240W,245W, 250W |
| TP6H72M(H)-xxx, xxx= 335 to 390 in step of 5 | 335W,340W,345W,350W,355W,360W,365W, 370W,375W,380W,385W,390W |
| TP6H60M(H)-xxx, xxx= 280 to 325 in step of 5 | 280W,285W,290W,295W,300W,305W,310W, 315W,320W,325W |

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Parameters:

Construction:

Framed, with Junction box,

Cable and Connectors.

Application Class:

Class A

Maximum System

1500 V DC or 1000 V DC

Voltage:

Class C

Safety Class: **Dust and Sand Test**

Method:

LC2

Dust/sand type:

95% SiO₂

Dust/sand concentration: 5g/m3

Testing Air Velocity:

20m/s

Test Duration:

4h/each side

Tested

IEC 61215(ed.2)

according to:

IEC 61730-1(ed.1);am1;am2 IEC 61730-2(ed.1);am1

PPP 59022A:2013

Production Facility(ies): 001453, 078488, 096715, 003671, 087702, 090968, 101042