



Product Service

# CERTIFICATE

No. Z2 070321 0097 Rev. 21

**Holder of Certificate:** **Trina Solar Co., Ltd**  
No. 2 TianHe Road, Trina PV Industrial Park  
New District  
213031 Changzhou City, Jiangsu Province  
PEOPLE'S REPUBLIC OF CHINA

**Certification Mark:**



**Product:** **Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**  
**[Mono & Poly Crystalline Silicon Photovoltaic (PV) Module(s)]**

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. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64290170581726

**Valid until:** 2025-10-26

**Date,** 2020-10-27

( Symbol Zhao )



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(xxx=425-460, in steps of 5).  
 TSM-xxxDEG8M(II), TSM-xxxDEG8M.05(II),  
 TSM-xxxDEG8M.25(II), TSM-xxxDEG8M.07(II),  
 TSM-xxxDEG8M.20(II), TSM-xxxDEG8M.27(II),  
 TSM-xxxDEG8M.28(II), TSM-xxxDEG8M.29(II),  
 TSM-xxxDEG8M.40(II), TSM-xxxDEG8M.47(II)  
 (xxx=355-380, in steps of 5).  
 TSM-xxxDEG14HC(II), TSM-xxxDEG14HC.05(II),  
 TSM-xxxDEG14HC.25(II), TSM-xxxDEG14HC.07(II),  
 TSM-xxxDEG14HC.20(II), TSM-xxxDEG14HC.27(II),  
 TSM-xxxDEG14HC.28(II), TSM-xxxDEG14HC.29(II)  
 (xxx=350-395, in steps of 5).  
 TSM-xxxDEG5HC(II), TSM-xxxDEG5HC.05(II),  
 TSM-xxxDEG5HC.25(II), TSM-xxxDEG5HC.07(II),  
 TSM-xxxDEG5HC.20(II), TSM-xxxDEG5HC.27(II),  
 TSM-xxxDEG5HC.28(II), TSM-xxxDEG5HC.29(II)  
 (xxx=295-330, in steps of 5).  
 TSM-xxxDEG15HC(II), TSM-xxxDEG15HC.05(II),  
 TSM-xxxDEG15HC.25(II), TSM-xxxDEG15HC.07(II),  
 TSM-xxxDEG15HC.20(II), TSM-xxxDEG15HC.27(II),  
 TSM-xxxDEG15HC.28(II), SM-xxxDEG15HC.29(II)  
 (xxx=350-410, in steps of 5).  
 TSM-xxxDEG6HC(II), TSM-xxxDEG6HC.05(II),  
 TSM-xxxDEG6HC.25(II), TSM-xxxDEG6HC.07(II),  
 TSM-xxxDEG6HC.20(II), TSM-xxxDEG6HC.27(II),  
 TSM-xxxDEG6HC.28(II), TSM-xxxDEG6HC.29(II)  
 (xxx=295-340, in steps of 5).  
 TSM-xxxDEG14MC(II), TSM-xxxDEG14MC.05(II),  
 TSM-xxxDEG14MC.25(II), TSM-xxxDEG14MC.07(II),  
 TSM-xxxDEG14MC.20(II), TSM-xxxDEG14HMC.20(II),  
 TSM-xxxDEG14MC.27(II), TSM-xxxDEG14MC.28(II),  
 TSM-xxxDEG14MC.29(II)  
 (xxx=350-395, in steps of 5).  
 TSM-xxxDEG5MC(II), TSM-xxxDEG5MC.05(II),  
 TSM-xxxDEG5MC.25(II), TSM-xxxDEG5MC.07(II),  
 TSM-xxxDEG5MC.20(II), TSM-xxxDEG5MC.27(II),  
 TSM-xxxDEG5MC.28(II), TSM-xxxDEG5MC.29(II)  
 (xxx=295-330, in steps of 5).  
 TSM-xxxDEG15MC(II), TSM-xxxDEG15MC.05(II),  
 TSM-xxxDEG15MC.25(II), TSM-xxxDEG15MC.07(II),  
 TSM-xxxDEG15MC.20(II), TSM-xxxDEG15MC.27(II),  
 TSM-xxxDEG15MC.28(II), TSM-xxxDEG15MC.29(II)  
 (xxx=350-425, in steps of 5).  
 TSM-xxxDEG6MC(II), TSM-xxxDEG6MC.05(II),  
 TSM-xxxDEG6MC.25(II), TSM-xxxDEG6MC.07(II),  
 TSM-xxxDEG6MC.20(II), TSM-xxxDEG6MC.27(II),  
 TSM-xxxDEG6MC.28(II), TSM-xxxDEG6MC.29(II)  
 (xxx=295-350, in steps of 5).  
 TSM-xxxDEG17MC(II), TSM-xxxDEG17MC.05(II),



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TSM-xxxDEG17MC.25(II), TSM-xxxDEG17MC.07(II),  
 TSM-xxxDEG17MC.20(II), TSM-xxxDEG17MC.27(II),  
 TSM-xxxDEG17MC.28(II), TSM-xxxDEG17MC.29(II)  
 (xxx=425-460, in steps of 5).  
 TSM-xxxDEG8MC(II), TSM-xxxDEG6MC.05(II),  
 TSM-xxxDEG8MC.25(II), TSM-xxxDEG8MC.07(II),  
 TSM-xxxDEG8MC.20(II), TSM-xxxDEG8MC.27(II),  
 TSM-xxxDEG8MC.28(II), TSM-xxxDEG8MC.29(II)  
 (xxx=355-380, in steps of 5).  
 TSM-xxxDEG18MC(II), TSM-xxxDEG18MC.05(II),  
 TSM-xxxDEG18MC.25(II), TSM-xxxDEG18MC.07(II),  
 TSM-xxxDEG18MC.20(II), TSM-xxxDEG18MC.27(II),  
 TSM-xxxDEG18MC.28(II), TSM-xxxDEG18MC.29(II)  
 (xxx=460-505, in steps of 5).  
 TSM-xxxDEG18M(II), TSM-xxxDEG18M.05(II),  
 TSM-xxxDEG18M.25(II), TSM-xxxDEG18M.07(II),  
 TSM-xxxDEG18M.20(II), TSM-xxxDEG18M.27(II),  
 TSM-xxxDEG18M.28(II), TSM-xxxDEG18M.29(II)  
 (xxx=460-505, in steps of 5).  
 TSM-xxxDEG17XC.20(II), TSM-xxxDEG17XC.25(II),  
 TSM-xxxDEG17XC.27(II), TSM-xxxDEG17XC.28(II),  
 TSM-xxxDEG17XC.29(II)  
 (xxx=445-490, in steps of 5).  
 TSM-xxxDEG17X.25(II), TSM-xxxDEG17X.20(II),  
 TSM-xxxDEG17X.27(II), TSM-xxxDEG17X.28(II),  
 TSM-xxxDEG17X.29(II)  
 (xxx=445-490, in steps of 5).  
 TSM-xxxDEG20C.20, TSM-xxxDEG20C.25,  
 TSM-xxxDEG20C.27, TSM-xxxDEG20C.28,  
 TSM-xxxDEG20C.29  
 (xxx=575-605, in steps of 5).  
 TSM-xxxDEG19C.20, TSM-xxxDEG19C.25,  
 TSM-xxxDEG19C.27, TSM-xxxDEG19C.28,  
 TSM-xxxDEG19C.29  
 (xxx=525-550, in steps of 5).  
 TSM-xxxDEG20.20, TSM-xxxDEG20.25,  
 TSM-xxxDEG20.27, TSM-xxxDEG20.28,  
 TSM-xxxDEG20.29  
 (xxx=575-605, in steps of 5).  
 TSM-xxxDEG19.20, TSM-xxxDEG19.25,  
 TSM-xxxDEG19.27, TSM-xxxDEG19.28,  
 TSM-xxxDEG19.29  
 (xxx=525-555, in steps of 5).  
 TSM-xxxDEG18C.20, TSM-xxxDEG18C.25,  
 TSM-xxxDEG18C.27, TSM-xxxDEG18C.28,  
 TSM-xxxDEG18C.29  
 (xxx=520-550, in steps of 5).  
 TSM-xxxDEG10C.20, TSM-xxxDEG10C.25,  
 TSM-xxxDEG10C.27, TSM-xxxDEG10C.28,  
 TSM-xxxDEG10C.29  
 (xxx=425-450, in steps of 5).  
 TSM-xxxDEG18.20, TSM-xxxDEG18.25,  
 TSM-xxxDEG18.27, TSM-xxxDEG18.28,  
 TSM-xxxDEG18.29  
 (xxx=520-550, in steps of 5).  
 TSM-xxxDEG10.20, TSM-xxxDEG10.25,



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TSM-xxxPEG17MC.28(II), TSM-xxxPEG17MC.29(II)  
 (xxx=410-445, in steps of 5).  
 TSM-xxxPEG8MC(II), TSM-xxxPEG8MC.05(II),  
 TSM-xxxPEG8MC.25(II),  
 TSM-xxxPEG8MC.07(II), TSM-xxxPEG8MC.20(II),  
 TSM-xxxPEG8MC.27(II), TSM-xxxPEG8MC.28(II),  
 TSM-xxxPEG8MC.29(II)  
 (xxx=350-365, in steps of 5).  
 TSM-xxxPEG17M(II), TSM-xxxPEG17M.05(II),  
 TSM-xxxPEG17M.25(II), TSM-xxxPEG17M.07(II),  
 TSM-xxxPEG17M.20(II), TSM-xxxPEG17M.27(II),  
 TSM-xxxPEG17M.28(II), TSM-xxxPEG17M.29(II)  
 (xxx=410-445, in steps of 5).  
 TSM-xxxPEG8M(II), TSM-xxxPEG8M.05(II),  
 TSM-xxxPEG8M.25(II), TSM-xxxPEG8M.07(II),  
 TSM-xxxPEG8M.20(II), TSM-xxxPEG8M.27(II),  
 TSM-xxxPEG8M.28(II), TSM-xxxPEG8M.29(II)  
 (xxx=350-365, in steps of 5).  
 TSM-xxxPEG15M(II), TSM-xxxPEG15M.05(II),  
 TSM-xxxPEG15M.25(II), TSM-xxxPEG15M.07(II),  
 TSM-xxxPEG15M.20(II), TSM-xxxPEG15M.27(II),  
 TSM-xxxPEG15M.28(II), TSM-xxxPEG15M.29(II),  
 TSM-xxxPEG15M.40(II), TSM-xxxPEG15M.47(II)  
 (xxx=340-405, in steps of 5).  
 TSM-xxxPEG6M(II), TSM-xxxPEG6M.05(II),  
 TSM-xxxPEG6M.25(II), TSM-xxxPEG6M.07(II),  
 TSM-xxxPEG6M.20(II), TSM-xxxPEG6M.27(II),  
 TSM-xxxPEG6M.28(II), TSM-xxxPEG6M.29(II),  
 TSM-xxxPEG6M.40(II), TSM-xxxPEG6M.47(II)  
 (xxx=280-335, in steps of 5).  
 TSM-xxxPEG5ZV, TSM-xxxPEG5ZV.05,  
 TSM-xxxPEG5ZV.07, TSM-xxxPEG5ZV.40,  
 TSM-xxxPEG5ZV.47 (xxx=280-300, in steps of 5).

## Parameters:

Rated output power at STC: See below table  
 Safety class: Class II  
 Max. system voltage: 1500 V d.c.  
 Fire safety class: Class A or Class C  
 according to UL 790  
 Construction: Framed and Frameless,  
 with Junction box,  
 Cable and Connectors

Model	Rated output power at STC
TSM-xxxDEG14(II), TSM-xxxDEG14.05(II), TSM-xxxDEG14.25(II), TSM-xxxDEG14.07(II), TSM-xxxDEG14.20(II), TSM-xxxDEG14.27(II), TSM-xxxDEG14.28(II), TSM-xxxDEG14.29(II), TSM-xxxDEG14.40(II), TSM-xxxDEG14.47(II) (xxx=330-390, in steps of 5).	330 W, 335 W, 340 W, 345 W, 350 W, 355 W, 360 W, 365 W, 370 W, 375 W, 380 W, 385 W, 390 W;



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**Tested  
according to:**

IEC 61215-1:2016  
EN 61215-1:2016  
IEC 61215-1-1:2016  
EN 61215-1-1:2016  
IEC 61215-2:2016  
EN 61215-2:2017  
IEC 61730-1:2016  
EN IEC 61730-1:2018  
IEC 61730-2:2016  
EN IEC 61730-2:2018

**Production  
Facility(ies):**

070321, 096698, 096701, 096705, 096822, 004170, 104940,  
105673, 090968, 089091, 005539, 078488, 106844, 096558,  
108942, 108944, 109402, 078439, 082738, 084110, 108966