ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

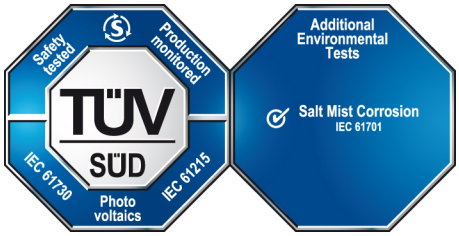
Product Service

C E R T I F I C A T E

No. Z2 070321 0146 Rev. 07

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**

Poly & Mono Crystalline Silicon Photovoltaic modules

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

Test report no.: 704062210705-07

Valid until: 2028-06-18

Date, 2023-06-21

(David Bo)

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Product Service

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Model(s):

mono series with 157 x 157 (mm) solar cells:
72 cells:
TSM-xxxDE14A(II), TSM-xxxDE14A.05(II), TSM-xxxDE14A.08(II), TSM-xxxDE14A.09(II), TSM-xxxDE14A.T0(II), TSM-xxxDE14A.T8(II), TSM-xxxDE14A.T9(II) (xxx=330-390, in steps of 5).
TSM-xxxDE14B(II), TSM-xxxDE14B.05(II), TSM-xxxDE14B.08(II), TSM-xxxDE14B.09(II), TSM-xxxDE14B.T0(II), TSM-xxxDE14B.T8(II), TSM-xxxDE14B.T9(II)
(xxx=330-385, in steps of 5)
60 cells:
TSM-xxxDE05A(II), TSM-xxxDE05A.05(II), TSM-xxxDE05A.08(II), TSM-xxxDE05A.09(II), TSM-xxxDE05A.T0(II), TSM-xxxDE05A.T8(II), TSM-xxxDE05A.T9(II)
(xxx=275-325, in steps of 5)

mono series with 158.75 x 158.75 (mm) solar cells:
72 cells:
TSM-xxxDE15A(II), TSM-xxxDE15A.05(II), TSM-xxxDE15A.08(II), TSM-xxxDE15A.09(II), TSM-xxxDE15A.T0(II), TSM-xxxDE15A.T8(II), TSM-xxxDE15A.T9(II)
(xxx=330-385, in steps of 5)
TSM-xxxDE15B(II), TSM-xxxDE15B.05(II), TSM-xxxDE15B.08(II), TSM-xxxDE15B.09(II), TSM-xxxDE15B.T0(II), TSM-xxxDE15B.T8(II), TSM-xxxDE15B.T9(II)
(xxx=330-385, in steps of 5)
60 cells:
TSM-xxxDE06A(II), TSM-xxxDE06A.05(II), TSM-xxxDE06A.08(II), TSM-xxxDE06A.09(II), TSM-xxxDE06A.T0(II), TSM-xxxDE06A.T8(II), TSM-xxxDE06A.T9(II)
(xxx=275-325, in steps of 5)

mono series with 157 x 78.5 (mm) half cutting cells:
144 cells:
TSM-xxxDE14H(II), TSM-xxxDE14H.05(II), TSM-xxxDE14H.08(II), TSM-xxxDE14H.09(II), TSM-xxxDE14H.T0(II), TSM-xxxDE14H.T8(II), TSM-xxxDE14H.T9(II) (xxx=330-395, in steps of 5).
TSM-xxxDE14HB(II), TSM-xxxDE14HB.05(II), TSM-xxxDE14HB.08(II), TSM-xxxDE14HB.09(II), TSM-xxxDE14HB.T0(II), TSM-xxxDE14HB.T8(II), TSM-xxxDE14HB.T9(II)
(xxx=330-395, in steps of 5)
120 cells:
TSM-xxxDE05H(II), TSM-xxxDE05H.05(II), TSM-xxxDE05H.08(II), TSM-xxxDE05H.09(II), TSM-xxxDE05H.T0(II), TSM-xxxDE05H.T8(II), TSM-xxxDE05H.T9(II)
(xxx=275-335, in steps of 5)

mono series with 158.75 x 79.375 (mm) half cutting cells:
144 cells:
TSM-xxxDE15H(II), TSM-xxxDE15H.05(II), TSM-xxxDE15H.08(II), TSM-xxxDE15H.09(II), TSM-xxxDE15H.T0(II), TSM-xxxDE15H.T8(II), TSM-xxxDE15H.T9(II)
(xxx=330-425, in steps of 5)
TSM-xxxDE15HB(II), TSM-xxxDE15HB.05(II), TSM-xxxDE15HB.08(II), TSM-xxxDE15HB.09(II), TSM-xxxDE15HB.T0(II), TSM-xxxDE15HB.T8(II), TSM-xxxDE15HB.T9(II)
(xxx=330-425, in steps of 5)
120 cells:
TSM-xxxDE06H(II), TSM-xxxDE06H.05(II), TSM-xxxDE06H.08(II), TSM-xxxDE06H.09(II), TSM-xxxDE06H.T0(II), TSM-xxxDE06H.T8(II), TSM-xxxDE06H.T9(II)

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(xxx=275-350, in steps of 5)

mono series with 158.75 x 79.375 (mm) half cutting MBB cells:
144 cells:
TSM-xxxDE15M(II), TSM-xxxDE15M.05(II), TSM-xxxDE15M.08(II), TSM-xxxDE15M.09(II), TSM-xxxDE15M.T0(II), TSM-xxxDE15M.T8(II), TSM-xxxDE15M.T9(II)
(xxx=330-420, in steps of 5)
TSM-xxxDE15MB(II), TSM-xxxDE15MB.05(II), TSM-xxxDE15MB.08(II), TSM-xxxDE15MB.09(II), TSM-xxxDE15MB.T0(II), TSM-xxxDE15MB.T8(II), TSM-xxxDE15MB.T9(II)
(xxx=330-420, in steps of 5)
120 cells:
TSM-xxxDE06M(II), TSM-xxxDE06M.05(II), TSM-xxxDE06M.08(II), TSM-xxxDE06M.09(II), TSM-xxxDE06M.T0(II), TSM-xxxDE06M.T8(II), TSM-xxxDE06M.T9(II)
(xxx=275-350, in steps of 5)
120 cells:
TSM-xxxDE151M(II), TSM-xxxDE151M.08(II), TSM-xxxDE151M.09(II), TSM-xxxDE151M.T0(II), TSM-xxxDE151M.T8(II), TSM-xxxDE151M.T9(II), TSM-xxxDE151M.05(II)
(xxx=300-350, in steps of 5)
96 cells:
TSM-xxxDE061M(II), TSM-xxxDE061M.08(II), TSM-xxxDE061M.09(II), TSM-xxxDE061M.T0(II), TSM-xxxDE061M.T8(II), TSM-xxxDE061M.T9(II), TSM-xxxDE061M.05(II), TSM-xxxDE061M.10(II), TSM-xxxDE061M.18(II)
(xxx=240-280, in steps of 5)

mono series with 166 x 83 (mm) half cutting MBB cells:
144 cells:
TSM-xxxDE17M(II), TSM-xxxDE17M.05(II), TSM-xxxDE17M.08(II), TSM-xxxDE17M.09(II), TSM-xxxDE17M.T0(II), TSM-xxxDE17M.T8(II), TSM-xxxDE17M.T9(II)
(xxx=390-465, in steps of 5)
120 cells:
TSM-xxxDE08M(II), TSM-xxxDE08M.05(II), TSM-xxxDE08M.08(II), TSM-xxxDE08M.09(II), TSM-xxxDE08M.T0(II), TSM-xxxDE08M.T8(II), TSM-xxxDE08M.T9(II)
(xxx=335-385, in steps of 5)
110 cells:
TSM-xxxDE171H(II) (xxx=315-350, in steps of 5)

mono series with 166 x 83 (mm) half cutting MBB cells:
90 cells:
TSM-xxxDE081M(II), TSM-xxxDE081M.05(II), TSM-xxxDE081M.08(II), TSM-xxxDE081M.09(II), TSM-xxxDE081M.T0(II), TSM-xxxDE081M.T8(II), TSM-xxxDE081M.T9(II)
(xxx=265-295, in steps of 5)

mono series with 182 x 91 or 182 x 91.875 (mm) half cutting bifacial MBB cells:
144 cells:
TSM-xxxDE18, TSM-xxxDE18.05, TSM-xxxDE18.08, TSM-xxxDE18.09, TSM-xxxDE18.T0, TSM-xxxDE18.T8, TSM-xxxDE18.T9
TSM-xxxDE18.60 (xxx=515-560, in steps of 5)
120 cells:
TSM-xxxDE10, TSM-xxxDE10.05, TSM-xxxDE10.08, TSM-xxxDE10.09, TSM-xxxDE10.T0, TSM-xxxDE10.T8, TSM-xxxDE10.T9

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(xxx=430-455, in steps of 5)
108 cells:
TSM-xxxDE11, TSM-xxxDE11.08, TSM-xxxDE11.09, TSM-xxxDE11.T0, TSM-xxxDE11.T8, TSM-xxxDE11.T9, TSM-xxxDE11.05, TSM-xxxDE11C,
TSM-xxxDE11C.05, TSM-xxxDE11C.07
(xxx=390-415, in steps of 5)

mono series with 210 x 105 (mm) half cutting bifacial MBB cells:
120 cells:
TSM-xxxDE20, TSM-xxxDE20.05, TSM-xxxDE20.08, TSM-xxxDE20.09, TSM-xxxDE20.T0, TSM-xxxDE20.T8, TSM-xxxDE20.T9, TSM-xxxDE20.B0, TSM-xxxDE20.B5, TSM-xxxDE20.B8, TSM-xxxDE20.60, TSM-xxxDE20.68, TSM-xxxDE20.00S, TSM-xxxDE20.60S, TSM-xxxDE20.68S, TSM-xxxDE20.W
(xxx=575-610, in steps of 5)
110 cells:
TSM-xxxDE19, TSM-xxxDE19.05, TSM-xxxDE19.08, TSM-xxxDE19.09, TSM-xxxDE19.T0, TSM-xxxDE19.T8, TSM-xxxDE19.T9, TSM-xxxDE19.B0, TSM-xxxDE19.B5, TSM-xxxDE19.B8, TSM-xxxDE19.60, TSM-xxxDE19.68, TSM-xxxDE19.00S, TSM-xxxDE19.60S, TSM-xxxDE19.68S, TSM-xxxDE19.W
(xxx=500-560, in steps of 5)
132 cells:
TSM-xxxDE21, TSM-xxxDE21.05, TSM-xxxDE21.08, TSM-xxxDE21.09, TSM-xxxDE21.T0, TSM-xxxDE21.T8, TSM-xxxDE21.T9, TSM-xxxDE21.60, TSM-xxxDE21.68, TSM-xxxDE21.00S, TSM-xxxDE21.60S, TSM-xxxDE21.68S, TSM-xxxDE21.W
(xxx=635-675, in steps of 5)

mono series with 210 x 105 (mm) half cutting bifacial cells and transparent backsheet:
110 cells:
TSM-xxxDE19C, TSM-xxxDE19C.08
(xxx=500-560, in steps of 5)

mono series with 182 x 105 (mm) cutting bifacial MBB cells:
132 cells:
TSM-xxxDE19R, TSM-xxxDE19R.08, TSM-xxxDE19R.09, TSM-xxxDE19R.T0, TSM-xxxDE19R.T8, TSM-xxxDE19R.T9, TSM-xxxDE19R.05, TSM-xxxDE19R.00S, TSM-xxxDE19R.B0, TSM-xxxDE19R.B5, TSM-xxxDE19R.B8, TSM-xxxDE19R.W
(xxx=550-605, in steps of 5)

mono series with 182 x 70 (mm) 1/3 cutting bifacial MBB cells:
144 cells:
TSM-xxxDE09R, TSM-xxxDE09R.08, TSM-xxxDE09R.09, TSM-xxxDE09R.T0, TSM-xxxDE09R.T8, TSM-xxxDE09R.T9, TSM-xxxDE09R.05, TSM-xxxDE09R.B0, TSM-xxxDE09R.B5, TSM-xxxDE09R.B8, TSM-xxxDE09R.00S, TSM-xxxDE09R.08S, TSM-xxxDE09R.05S, TSM-xxxDE09R.B0S, TSM-xxxDE09R.B8S, TSM-xxxDE09R.B5S, TSM-xxxDE09R.W, TSM-xxxDE09R.05W, TSM-xxxDE09R.08W, TSM-xxxDE09R.B5W, TSM-xxxDE09R.B8W, TSM-xxxDE09R.B0W (xxx=395-440, in steps of 5)

mono series with 158.75 x 52.92 (mm) 1/3 cutting bifacial MBB cells:
252 cells:
TSM-xxxDE15V(II), TSM-xxxDE15V.05(II), TSM-xxxDE15V.08(II), TSM-xxxDE15V.09(II), TSM-xxxDE15V.T0(II), TSM-xxxDE15V.T8(II), TSM-xxxDE15V.T9(II)
(xxx=465-490, in steps of 5)

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mono series with 210 x 70 (mm) 1/3 cutting bifacial MBB cells:
150 cells:
TSM-xxxDE18M(II), TSM-xxxDE18M.05(II), TSM-xxxDE18M.08(II), TSM-xxxDE18M.09(II), TSM-xxxDE18M.T0(II), TSM-xxxDE18M.T8(II), TSM-xxxDE18M.T9(II), TSM-xxxDE18M.B0(II), TSM-xxxDE18M.B5(II), TSM-xxxDE18M.B8(II), TSM-xxxDE18M.60(II), TSM-xxxDE18M.68(II), TSM-xxxDE18M.00S(II), TSM-xxxDE18M.08S(II), TSM-xxxDE18M.68S(II)
TSM-xxxDE18M.W(II), TSM-xxxDE18M.08W(II)
(xxx=470-520, in steps of 5)
120 cells:
TSM-xxxDE09, TSM-xxxDE09.05, TSM-xxxDE09.08, TSM-xxxDE09.09, TSM-xxxDE09.T0, TSM-xxxDE09.T8, TSM-xxxDE09.T9, TSM-xxxDE09.B0, TSM-xxxDE09.B5, TSM-xxxDE09.B8, TSM-xxxDE09.00S,
TSM-xxxDE09.05S, TSM-xxxDE09.08S, TSM-xxxDE09.05W, TSM-xxxDE09.08W
(xxx=375-415, in steps of 5)

mono series with 210 x 70 (mm) 1/3 cutting bifacial MBB cells and transparent backsheet:
120 cells:
TSM-xxxDE09C.05, TSM-xxxDE09C.07
(xxx=375-415, in steps of 5)

mono series with 158.75 x 79.375 (mm) half cutting MBB cells (for cells splicing technology):
156 cells:
TSM-xxxDE15X(II), TSM-xxxDE15X.05(II), TSM-xxxDE15X.08(II), TSM-xxxDE15X.09(II), TSM-xxxDE15X.T0(II), TSM-xxxDE15X.T8(II), TSM-xxxDE15X.T9(II)
(xxx=405-435, in steps of 5)
132 cells:
TSM-xxxDE06X(II), TSM-xxxDE06X.05(II), TSM-xxxDE06X.08(II), TSM-xxxDE06X.09(II), TSM-xxxDE06X.T0(II), TSM-xxxDE06X.T8(II), TSM-xxxDE06X.T9(II)
(xxx=345-375, in steps of 5)

mono series with 158.75 x 79.375 (mm) half cutting bifacial cells and transparent backsheet:
132 cells:
TSM-xxxDE06XC(II), TSM-xxxDE06XC.05(II), TSM-xxxDE06XC.08(II), TSM-xxxDE06XC.09(II), TSM-xxxDE06XC.07(II)
(xxx=355-380, in steps of 5)

mono series with 166 x 83 (mm) half cutting MBB cells (for cells splicing technology):
156 cells:
TSM-xxxDE17X(II), TSM-xxxDE17X.05(II), TSM-xxxDE17X.08(II), TSM-xxxDE17X.09(II), TSM-xxxDE17X.T0(II), TSM-xxxDE17X.T8(II), TSM-xxxDE17X.T9(II)
(xxx=450-485, in steps of 5)

mono series with 158.75 x 79.375 (mm) half cutting N type MBB cell:
144 cells:
TSM-xxxNE15M(II), TSM-xxxNE15M.05(II), TSM-xxxNE15M.08(II), TSM-xxxNE15M.09(II), TSM-xxxNE15M.T0(II), TSM-xxxNE15M.T8(II), TSM-xxxNE15M.T9(II)
(xxx=375-430, in steps of 5)
120 cells:
TSM-xxxNE06M(II), TSM-xxxNE06M.05(II), TSM-xxxNE06M.08(II), TSM-xxxNE06M.09(II), TSM-xxxNE06M.T0(II), TSM-xxxNE06M.T8(II),

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TSM-xxxNE06M.T9(II)
(xxx=315-355, in steps of 5)

mono series with 161.7 x 80.85 (mm) half cutting N type MBB cell:
144 cells:
TSM-xxxNE16M(II), TSM-xxxNE16M.05(II), TSM-xxxNE16M.08(II), TSM-xxxNE16M.09(II), TSM-xxxNE16M.T0(II), TSM-xxxNE16M.T8(II), TSM-xxxNE16M.T9(II)
(xxx=375-405, in steps of 5)
120 cells:
TSM-xxxNE07M(II), TSM-xxxNE07M.05(II), TSM-xxxNE07M.08(II), TSM-xxxNE07M.09(II), TSM-xxxNE07M.T0(II), TSM-xxxNE07M.T8(II), TSM-xxxNE07M.T9(II) (xxx=315-335, in steps of 5)

mono series with 210 x 105 (mm) half cutting bifacial N type MBB cells:
132 cells:
TSM-xxxNE21, TSM-xxxNE21.05, TSM-xxxNE21.08, TSM-xxxNE21.09, TSM-xxxNE21.T0, TSM-xxxNE21.T8, TSM-xxxNE21.T9
(xxx=645-675, in steps of 5)
120 cells:
TSM-xxxNE20, TSM-xxxNE20.05, TSM-xxxNE20.08, TSM-xxxNE20.09, TSM-xxxNE20.T0, TSM-xxxNE20.T8, TSM-xxxNE20.T9
(xxx=590-610, in steps of 5)
110 cells:
TSM-xxxNE19, TSM-xxxNE19.05, TSM-xxxNE19.08, TSM-xxxNE19.09, TSM-xxxNE19.T0, TSM-xxxNE19.T8, TSM-xxxNE19.T9
(xxx=540-560, in steps of 5)

mono series with 210 x 70 (mm) 1/3 cutting bifacial N type MBB cells:
150 cells:
TSM-xxxNE18M(II), TSM-xxxNE18M.05(II), TSM-xxxNE18M.08(II), TSM-xxxNE18M.09(II), TSM-xxxNE18M.T0(II), TSM-xxxNE18M.T8(II), TSM-xxxNE18M.T9(II)
(xxx=490-530, in steps of 5)
120 cells:
TSM-xxxNE09, TSM-xxxNE09.05, TSM-xxxNE09.08, TSM-xxxNE09.09, TSM-xxxNE09.T0, TSM-xxxNE09.T8, TSM-xxxNE09.T9
(xxx=395-420, in steps of 5)

mono series with 182 x 105 (mm) half cutting bifacial N type MBB cells:
132 cells:
TSM-xxxNE19R, TSM-xxxNE19R.08, TSM-xxxNE19R.09, TSM-xxxNE19R.T0, TSM-xxxNE19R.T8, TSM-xxxNE19R.T9, TSM-xxxNE19R.08 (xxx=565-590, in steps of 5)

mono series with 182 x 70 (mm) 1/3 cutting bifacial N type MBB cells:
144 cells:
TSM-xxxNE09R, TSM-xxxNE09R.05, TSM-xxxNE09R.08, TSM-xxxNE09R.B0, TSM-xxxNE09R.B5, TSM-xxxNE09R.B8
(xxx=415-435, in steps of 5, 144 cells)
mono series with 182 x 70 (mm) 1/3 cutting bifacial N type MBB cells and transparent backsheet:
144 cells:
TSM-xxxNE09RC.05, TSM-xxxNE09RC.07 (xxx=365-435, in steps of 5)

mono series with 158.75 x 79.375 (mm) half cutting N type MBB cells (for cells splicing technology):
156 cells:
TSM-xxxNE15X(II), TSM-xxxNE15X.05(II), TSM-xxxNE15X.08(II), TSM-xxxNE15X.09(II), TSM-xxxNE15X.T0(II), TSM-xxxNE15X.T8(II),

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TSM-xxxNE15X.T9(II) (xxx=405-435, in steps of 5)
132 cells:
TSM-xxxNE06X(II), TSM-xxxNE06X.05(II), TSM-xxxNE06X.08(II), TSM-xxxNE06X.09(II), TSM-xxxNE06X.T0(II), TSM-xxxNE06X.T8(II), TSM-xxxNE06X.T9(II)
(xxx=345-390, in steps of 5)

poly series with 157 x 157 (mm) solar cells:
72 cells:
TSM-xxxPE14A, TSM-xxxPE14A.08, TSM-xxxPE14A.09, TSM-xxxPE14A(II), TSM-xxxPE14A.08(II), TSM-xxxPE14A.09(II), TSM-xxxPE14A.T0, TSM-xxxPE14A.T8, TSM-xxxPE14A.T9, TSM-xxxPE14A.T0(II), TSM-xxxPE14A.T8(II), TSM-xxxPE14A.T9(II)
TSM-xxxPE14A.W (xxx=305-360, in steps of 5)
TSM-xxxPE14B, TSM-xxxPE14B.08, TSM-xxxPE14B.09, TSM-xxxPE14B(II), TSM-xxxPE14B.08(II), TSM-xxxPE14B.09(II), TSM-xxxPE14B.T0, TSM-xxxPE14B.T8, TSM-xxxPE14B.T9, TSM-xxxPE14B.T0(II), TSM-xxxPE14B.T8(II), TSM-xxxPE14B.T9(II)
(xxx=305-360, in steps of 5)
60 cells:
TSM-xxxPE05A, TSM-xxxPE05A.08, TSM-xxxPE05A.09, TSM-xxxPE05A(II), TSM-xxxPE05A.08(II), TSM-xxxPE05A.09(II), TSM-xxxPE05A.T0, TSM-xxxPE05A.T8, TSM-xxxPE05A.T9, TSM-xxxPE05A.T0(II), TSM-xxxPE05A.T8(II), TSM-xxxPE05A.T9(II)
(xxx=255-300, in steps of 5)

poly series with 158.75 x 158.75 (mm) solar cells:
72 cells:
TSM-xxxPE15A, TSM-xxxPE15A.08, TSM-xxxPE15A.09, TSM-xxxPE15A(II), TSM-xxxPE15A.08(II), TSM-xxxPE15A.09(II), TSM-xxxPE15A.T0, TSM-xxxPE15A.T8, TSM-xxxPE15A.T9, TSM-xxxPE15A.T0(II), TSM-xxxPE15A.T8(II), TSM-xxxPE15A.T9(II)
(xxx=305-360, in steps of 5)
TSM-xxxPE15B, TSM-xxxPE15B.08, TSM-xxxPE15B.09, TSM-xxxPE15B(II), TSM-xxxPE15B.08(II), TSM-xxxPE15B.09(II), TSM-xxxPE15B.T0, TSM-xxxPE15B.T8, TSM-xxxPE15B.T9, TSM-xxxPE15B.T0(II), TSM-xxxPE15B.T8(II), TSM-xxxPE15B.T9(II)
(xxx=305-360, in steps of 5)
60 cells:
TSM-xxxPE06A, TSM-xxxPE06A.08, TSM-xxxPE06A.09, TSM-xxxPE06A(II), TSM-xxxPE06A.08(II), TSM-xxxPE06A.09(II), TSM-xxxPE06A.T0, TSM-xxxPE06A.T8, TSM-xxxPE06A.T9, TSM-xxxPE06A.T0(II), TSM-xxxPE06A.T8(II), TSM-xxxPE06A.T9(II)
(xxx=255-300, in steps of 5)

poly series with 157 x 78.5 (mm) half cutting cells:
144 cells:
TSM-xxxPE14H, TSM-xxxPE14H.08, TSM-xxxPE14H.09, TSM-xxxPE14H(II), TSM-xxxPE14H.08(II), TSM-xxxPE14H.09(II), TSM-xxxPE14H.T0, TSM-xxxPE14H.T8, TSM-xxxPE14H.T9, TSM-xxxPE14H.T0(II), TSM-xxxPE14H.T8(II), TSM-xxxPE14H.T9(II)
(xxx=320-360, in steps of 5)
TSM-xxxPE14HB, TSM-xxxPE14HB.08, TSM-xxxPE14HB.09, TSM-xxxPE14HB(II), TSM-xxxPE14HB.08(II), TSM-xxxPE14HB.09(II), TSM-xxxPE14HB.T0, TSM-xxxPE14HB.T8, TSM-xxxPE14HB.T9, TSM-xxxPE14HB.T0(II), TSM-xxxPE14HB.T8(II), TSM-xxxPE14HB.T9(II)
(xxx=320-360, in steps of 5)
120 cells:
TSM-xxxPE05H, TSM-xxxPE05H.08, TSM-xxxPE05H.09, TSM-xxxPE05H(II), TSM-xxxPE05H.08(II), TSM-xxxPE05H.09(II), TSM-xxxPE05H.T0, TSM-xxxPE05H.T8, TSM-xxxPE05H.T9,

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TSM-xxxPE05H.T0(II), TSM-xxxPE05H.T8(II), TSM-xxxPE05H.T9(II)
(xxx=270-300, in steps of 5)

poly series with 158.75 x 79.375 (mm) half cutting cells:
144 cells:
TSM-xxxPE15H, TSM-xxxPE15H.08, TSM-xxxPE15H.09,
TSM-xxxPE15H(II), TSM-xxxPE15H.08(II), TSM-xxxPE15H.09(II),
TSM-xxxPE15H.T0, TSM-xxxPE15H.T8, TSM-xxxPE15H.T9,
TSM-xxxPE15H.T0(II), TSM-xxxPE15H.T8(II), TSM-xxxPE15H.T9(II)
(xxx=320-405, in steps of 5)
TSM-xxxPE15HB, TSM-xxxPE15HB.08, TSM-xxxPE15HB.09,
TSM-xxxPE15HB(II), TSM-xxxPE15HB.08(II), TSM-xxxPE15HB.09(II),
TSM-xxxPE15HB.T0, TSM-xxxPE15HB.T8, TSM-xxxPE15HB.T9,
TSM-xxxPE15HB.T0(II), TSM-xxxPE15HB.T8(II), TSM-xxxPE15HB.T9(II)
(xxx=320-390, in steps of 5)
120 cells:
TSM-xxxPE06H, TSM-xxxPE06H.08, TSM-xxxPE06H.09,
TSM-xxxPE06H(II), TSM-xxxPE06H.08(II), TSM-xxxPE06H.09(II),
TSM-xxxPE06H.T0, TSM-xxxPE06H.T8, TSM-xxxPE06H.T9,
TSM-xxxPE06H.T0(II), TSM-xxxPE06H.T8(II), TSM-xxxPE06H.T9(II)
(xxx=270-335, in steps of 5)

poly series with 158.75 x 79.375 (mm) half cutting MBB cells:
144 cells:
TSM-xxxPE15M, TSM-xxxPE15M.08, TSM-xxxPE15M.09,
TSM-xxxPE15M.T0, TSM-xxxPE15M.T8, TSM-xxxPE15M.T9,
TSM-xxxPE15M(II), TSM-xxxPE15M.08(II), TSM-xxxPE15M.09(II),
TSM-xxxPE15M.T0(II), TSM-xxxPE15M.T8(II), TSM-xxxPE15M.T9(II)
(xxx=320-405, in steps of 5)
120 cells:
TSM-xxxPE06M, TSM-xxxPE06M.08, TSM-xxxPE06M.09,
TSM-xxxPE06M.T0, TSM-xxxPE06M.T8, TSM-xxxPE06M.T9,
TSM-xxxPE06M(II), TSM-xxxPE06M.08(II), TSM-xxxPE06M.09(II),
TSM-xxxPE06M.T0(II), TSM-xxxPE06M.T8(II), TSM-xxxPE06M.T9(II)
(xxx=270-335, in steps of 5)

poly series with 166 x 83 (mm) half cutting MBB cells:
144 cells:
TSM-xxxPE17M, TSM-xxxPE17M.08, TSM-xxxPE17M.09,
TSM-xxxPE17M.T0, TSM-xxxPE17M.T8, TSM-xxxPE17M.T9,
TSM-xxxPE17M(II), TSM-xxxPE17M.08(II), TSM-xxxPE17M.09(II),
TSM-xxxPE17M.T0(II), TSM-xxxPE17M.T8(II), TSM-xxxPE17M.T9(II)
(xxx=410-445, in steps of 5)
120 cells:
TSM-xxxPE08M, TSM-xxxPE08M.08, TSM-xxxPE08M.09,
TSM-xxxPE08M.T0, TSM-xxxPE08M.T8, TSM-xxxPE08M.T9,
TSM-xxxPE08M(II), TSM-xxxPE08M.08(II), TSM-xxxPE08M.09(II),
TSM-xxxPE08M.T0(II), TSM-xxxPE08M.T8(II), TSM-xxxPE08M.T9(II)
(xxx=335-365, in steps of 5)

xxx stands for rated output power at STC

Parameters:

Safety Class:	Class II
Max. system voltage:	1500V DC
Construction:	Framed, with Junction box, cable and connector.
Test method of Salt mist :	Test method 6

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Product Service

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Tested according to:

IEC 61701:2020
IEC 61215-1:2016
IEC 61215-1-1:2016
IEC 61215-2:2016
IEC 61730-1:2016
IEC 61730-2:2016

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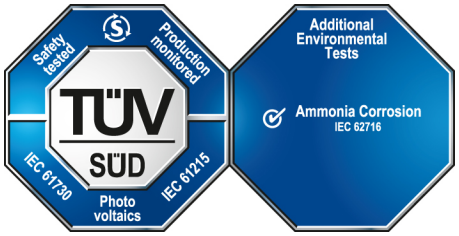
Holder of Certificate: **Trina Solar Co., Ltd.**
No. 2 TianHe Road, Trina PV Industrial Park
New District
213031 Changzhou City, Jiangsu Province
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: **Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**

Poly & Mono Crystalline Silicon Photovoltaic modules

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

Test report no.: 704062210706-06

Valid until: 2028-01-10

Date, 2023-01-12

(Zhulin Zhang)

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Model(s):

mono series with 157 x 157 (mm) solar cells:
72 cells:
TSM-xxxDE14A(II), TSM-xxxDE14A.05(II), TSM-xxxDE14A.08(II), TSM-xxxDE14A.09(II), TSM-xxxDE14A.T0(II), TSM-xxxDE14A.T8(II), TSM-xxxDE14A.T9(II) (xxx=330-390, in steps of 5).
TSM-xxxDE14B(II), TSM-xxxDE14B.05(II), TSM-xxxDE14B.08(II), TSM-xxxDE14B.09(II), TSM-xxxDE14B.T0(II), TSM-xxxDE14B.T8(II), TSM-xxxDE14B.T9(II)
(xxx=330-385, in steps of 5)
60 cells:
TSM-xxxDE05A(II), TSM-xxxDE05A.05(II), TSM-xxxDE05A.08(II), TSM-xxxDE05A.09(II), TSM-xxxDE05A.T0(II), TSM-xxxDE05A.T8(II), TSM-xxxDE05A.T9(II)
(xxx=275-325, in steps of 5)

mono series with 158.75 x 158.75 (mm) solar cells:
72 cells:
TSM-xxxDE15A(II), TSM-xxxDE15A.05(II), TSM-xxxDE15A.08(II), TSM-xxxDE15A.09(II), TSM-xxxDE15A.T0(II), TSM-xxxDE15A.T8(II), TSM-xxxDE15A.T9(II)
(xxx=330-385, in steps of 5)
TSM-xxxDE15B(II), TSM-xxxDE15B.05(II), TSM-xxxDE15B.08(II), TSM-xxxDE15B.09(II), TSM-xxxDE15B.T0(II), TSM-xxxDE15B.T8(II), TSM-xxxDE15B.T9(II)
(xxx=330-385, in steps of 5)
60 cells:
TSM-xxxDE06A(II), TSM-xxxDE06A.05(II), TSM-xxxDE06A.08(II), TSM-xxxDE06A.09(II), TSM-xxxDE06A.T0(II), TSM-xxxDE06A.T8(II), TSM-xxxDE06A.T9(II)
(xxx=275-325, in steps of 5)

mono series with 157 x 78.5 (mm) half cutting cells:
144 cells:
TSM-xxxDE14H(II), TSM-xxxDE14H.05(II), TSM-xxxDE14H.08(II), TSM-xxxDE14H.09(II), TSM-xxxDE14H.T0(II), TSM-xxxDE14H.T8(II), TSM-xxxDE14H.T9(II) (xxx=330-395, in steps of 5).
TSM-xxxDE14HB(II), TSM-xxxDE14HB.05(II), TSM-xxxDE14HB.08(II), TSM-xxxDE14HB.09(II), TSM-xxxDE14HB.T0(II), TSM-xxxDE14HB.T8(II), TSM-xxxDE14HB.T9(II)
(xxx=330-395, in steps of 5)
120 cells:
TSM-xxxDE05H(II), TSM-xxxDE05H.05(II), TSM-xxxDE05H.08(II), TSM-xxxDE05H.09(II), TSM-xxxDE05H.T0(II), TSM-xxxDE05H.T8(II), TSM-xxxDE05H.T9(II)
(xxx=275-335, in steps of 5)

mono series with 158.75 x 79.375 (mm) half cutting cells:
144 cells:
TSM-xxxDE15H(II), TSM-xxxDE15H.05(II), TSM-xxxDE15H.08(II), TSM-xxxDE15H.09(II), TSM-xxxDE15H.T0(II), TSM-xxxDE15H.T8(II), TSM-xxxDE15H.T9(II)
(xxx=330-425, in steps of 5)
TSM-xxxDE15HB(II), TSM-xxxDE15HB.05(II), TSM-xxxDE15HB.08(II), TSM-xxxDE15HB.09(II), TSM-xxxDE15HB.T0(II), TSM-xxxDE15HB.T8(II), TSM-xxxDE15HB.T9(II)
(xxx=330-425, in steps of 5)
120 cells:
TSM-xxxDE06H(II), TSM-xxxDE06H.05(II), TSM-xxxDE06H.08(II), TSM-xxxDE06H.09(II), TSM-xxxDE06H.T0(II), TSM-xxxDE06H.T8(II), TSM-xxxDE06H.T9(II)

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(xxx=275-350, in steps of 5)

mono series with 158.75 x 79.375 (mm) half cutting MBB cells:
144 cells:
TSM-xxxDE15M(II), TSM-xxxDE15M.05(II), TSM-xxxDE15M.08(II), TSM-xxxDE15M.09(II), TSM-xxxDE15M.T0(II), TSM-xxxDE15M.T8(II), TSM-xxxDE15M.T9(II)
(xxx=330-420, in steps of 5)
TSM-xxxDE15MB(II), TSM-xxxDE15MB.05(II), TSM-xxxDE15MB.08(II), TSM-xxxDE15MB.09(II), TSM-xxxDE15MB.T0(II), TSM-xxxDE15MB.T8(II), TSM-xxxDE15MB.T9(II)
(xxx=330-420, in steps of 5)
120 cells:
TSM-xxxDE06M(II), TSM-xxxDE06M.05(II), TSM-xxxDE06M.08(II), TSM-xxxDE06M.09(II), TSM-xxxDE06M.T0(II), TSM-xxxDE06M.T8(II), TSM-xxxDE06M.T9(II)
(xxx=275-350, in steps of 5)
120 cells:
TSM-xxxDE151M(II), TSM-xxxDE151M.08(II), TSM-xxxDE151M.09(II), TSM-xxxDE151M.T0(II), TSM-xxxDE151M.T8(II), TSM-xxxDE151M.T9(II), TSM-xxxDE151M.05(II)
(xxx=300-350, in steps of 5)
96 cells:
TSM-xxxDE061M(II), TSM-xxxDE061M.08(II), TSM-xxxDE061M.09(II), TSM-xxxDE061M.T0(II), TSM-xxxDE061M.T8(II), TSM-xxxDE061M.T9(II), TSM-xxxDE061M.05(II), TSM-xxxDE061M.10(II), TSM-xxxDE061M.18(II)
(xxx=240-280, in steps of 5)

mono series with 166 x 83 (mm) half cutting MBB cells:
144 cells:
TSM-xxxDE17M(II), TSM-xxxDE17M.05(II), TSM-xxxDE17M.08(II), TSM-xxxDE17M.09(II), TSM-xxxDE17M.T0(II), TSM-xxxDE17M.T8(II), TSM-xxxDE17M.T9(II)
(xxx=390-465, in steps of 5)
120 cells:
TSM-xxxDE08M(II), TSM-xxxDE08M.05(II), TSM-xxxDE08M.08(II), TSM-xxxDE08M.09(II), TSM-xxxDE08M.T0(II), TSM-xxxDE08M.T8(II), TSM-xxxDE08M.T9(II)
(xxx=335-385, in steps of 5)
110 cells:
TSM-xxxDE171H(II) (xxx=315-350, in steps of 5)

mono series with 166 x 83 (mm) half cutting MBB cells:
90 cells:
TSM-xxxDE081M(II), TSM-xxxDE081M.05(II), TSM-xxxDE081M.08(II), TSM-xxxDE081M.09(II), TSM-xxxDE081M.T0(II), TSM-xxxDE081M.T8(II), TSM-xxxDE081M.T9(II)
(xxx=265-295, in steps of 5)

mono series with 182 x 91 or 182 x 91.875 (mm) half cutting bifacial MBB cells:
144 cells:
TSM-xxxDE18, TSM-xxxDE18.05, TSM-xxxDE18.08, TSM-xxxDE18.09, TSM-xxxDE18.T0, TSM-xxxDE18.T8, TSM-xxxDE18.T9
TSM-xxxDE18.60 (xxx=515-560, in steps of 5)
120 cells:
TSM-xxxDE10, TSM-xxxDE10.05, TSM-xxxDE10.08, TSM-xxxDE10.09, TSM-xxxDE10.T0, TSM-xxxDE10.T8, TSM-xxxDE10.T9

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(xxx=430-455, in steps of 5)
108 cells:
TSM-xxxDE11, TSM-xxxDE11.08, TSM-xxxDE11.09, TSM-xxxDE11.T0, TSM-xxxDE11.T8, TSM-xxxDE11.T9, TSM-xxxDE11.05, TSM-xxxDE11C,
TSM-xxxDE11C.05, TSM-xxxDE11C.07
(xxx=390-415, in steps of 5)

mono series with 210 x 105 (mm) half cutting bifacial MBB cells:
120 cells:
TSM-xxxDE20, TSM-xxxDE20.05, TSM-xxxDE20.08, TSM-xxxDE20.09, TSM-xxxDE20.T0, TSM-xxxDE20.T8, TSM-xxxDE20.T9, TSM-xxxDE20.B0, TSM-xxxDE20.B5, TSM-xxxDE20.B8, TSM-xxxDE20.60, TSM-xxxDE20.68, TSM-xxxDE20.00S, TSM-xxxDE20.60S, TSM-xxxDE20.68S, TSM-xxxDE20.W
(xxx=575-610, in steps of 5)
110 cells:
TSM-xxxDE19, TSM-xxxDE19.05, TSM-xxxDE19.08, TSM-xxxDE19.09, TSM-xxxDE19.T0, TSM-xxxDE19.T8, TSM-xxxDE19.T9, TSM-xxxDE19.B0, TSM-xxxDE19.B5, TSM-xxxDE19.B8, TSM-xxxDE19.60, TSM-xxxDE19.68, TSM-xxxDE19.00S, TSM-xxxDE19.60S, TSM-xxxDE19.68S, TSM-xxxDE19.W
(xxx=500-560, in steps of 5)
132 cells:
TSM-xxxDE21, TSM-xxxDE21.05, TSM-xxxDE21.08, TSM-xxxDE21.09, TSM-xxxDE21.T0, TSM-xxxDE21.T8, TSM-xxxDE21.T9, TSM-xxxDE21.60, TSM-xxxDE21.68, TSM-xxxDE21.00S, TSM-xxxDE21.60S, TSM-xxxDE21.68S, TSM-xxxDE21.W
(xxx=635-675, in steps of 5)

mono series with 210 x 105 (mm) half cutting bifacial cells and transparent backsheet:
110 cells:
TSM-xxxDE19C, TSM-xxxDE19C.08
(xxx=500-560, in steps of 5)

mono series with 182 x 105 (mm) cutting bifacial MBB cells:
132 cells:
TSM-xxxDE19R, TSM-xxxDE19R.08, TSM-xxxDE19R.09, TSM-xxxDE19R.T0, TSM-xxxDE19R.T8, TSM-xxxDE19R.T9, TSM-xxxDE19R.05, TSM-xxxDE19R.00S, TSM-xxxDE19R.B0, TSM-xxxDE19R.B5, TSM-xxxDE19R.B8, TSM-xxxDE19R.W
(xxx=550-605, in steps of 5)

mono series with 182 x 70 (mm) 1/3 cutting bifacial MBB cells:
144 cells:
TSM-xxxDE09R, TSM-xxxDE09R.08, TSM-xxxDE09R.09, TSM-xxxDE09R.T0, TSM-xxxDE09R.T8, TSM-xxxDE09R.T9, TSM-xxxDE09R.05, TSM-xxxDE09R.B0, TSM-xxxDE09R.B5, TSM-xxxDE09R.B8, TSM-xxxDE09R.00S, TSM-xxxDE09R.08S, TSM-xxxDE09R.05S, TSM-xxxDE09R.B0S, TSM-xxxDE09R.B8S, TSM-xxxDE09R.B5S, TSM-xxxDE09R.W, TSM-xxxDE09R.05W, TSM-xxxDE09R.08W, TSM-xxxDE09R.B5W, TSM-xxxDE09R.B8W, TSM-xxxDE09R.B0W (xxx=395-440, in steps of 5)

mono series with 158.75 x 52.92 (mm) 1/3 cutting bifacial MBB cells:
252 cells:
TSM-xxxDE15V(II), TSM-xxxDE15V.05(II), TSM-xxxDE15V.08(II), TSM-xxxDE15V.09(II), TSM-xxxDE15V.T0(II), TSM-xxxDE15V.T8(II), TSM-xxxDE15V.T9(II)
(xxx=465-490, in steps of 5)

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mono series with 210 x 70 (mm) 1/3 cutting bifacial MBB cells:
150 cells:
TSM-xxxDE18M(II), TSM-xxxDE18M.05(II), TSM-xxxDE18M.08(II), TSM-xxxDE18M.09(II), TSM-xxxDE18M.T0(II), TSM-xxxDE18M.T8(II), TSM-xxxDE18M.T9(II), TSM-xxxDE18M.B0(II), TSM-xxxDE18M.B5(II), TSM-xxxDE18M.B8(II), TSM-xxxDE18M.60(II), TSM-xxxDE18M.68(II), TSM-xxxDE18M.00S(II), TSM-xxxDE18M.08S(II), TSM-xxxDE18M.68S(II)
TSM-xxxDE18M.W(II), TSM-xxxDE18M.08W(II)
(xxx=470-520, in steps of 5)
120 cells:
TSM-xxxDE09, TSM-xxxDE09.05, TSM-xxxDE09.08, TSM-xxxDE09.09, TSM-xxxDE09.T0, TSM-xxxDE09.T8, TSM-xxxDE09.T9, TSM-xxxDE09.B0, TSM-xxxDE09.B5, TSM-xxxDE09.B8, TSM-xxxDE09.00S,
TSM-xxxDE09.05S, TSM-xxxDE09.08S, TSM-xxxDE09.05W, TSM-xxxDE09.08W
(xxx=375-415, in steps of 5)

mono series with 210 x 70 (mm) 1/3 cutting bifacial MBB cells and transparent backsheet:
120 cells:
TSM-xxxDE09C.05, TSM-xxxDE09C.07
(xxx=375-415, in steps of 5)

mono series with 158.75 x 79.375 (mm) half cutting MBB cells (for cells splicing technology):
156 cells:
TSM-xxxDE15X(II), TSM-xxxDE15X.05(II), TSM-xxxDE15X.08(II), TSM-xxxDE15X.09(II), TSM-xxxDE15X.T0(II), TSM-xxxDE15X.T8(II), TSM-xxxDE15X.T9(II)
(xxx=405-435, in steps of 5)
132 cells:
TSM-xxxDE06X(II), TSM-xxxDE06X.05(II), TSM-xxxDE06X.08(II), TSM-xxxDE06X.09(II), TSM-xxxDE06X.T0(II), TSM-xxxDE06X.T8(II), TSM-xxxDE06X.T9(II)
(xxx=345-375, in steps of 5)

mono series with 158.75 x 79.375 (mm) half cutting bifacial cells and transparent backsheet:
132 cells:
TSM-xxxDE06XC(II), TSM-xxxDE06XC.05(II), TSM-xxxDE06XC.08(II), TSM-xxxDE06XC.09(II), TSM-xxxDE06XC.07(II)
(xxx=355-380, in steps of 5)

mono series with 166 x 83 (mm) half cutting MBB cells (for cells splicing technology):
156 cells:
TSM-xxxDE17X(II), TSM-xxxDE17X.05(II), TSM-xxxDE17X.08(II), TSM-xxxDE17X.09(II), TSM-xxxDE17X.T0(II), TSM-xxxDE17X.T8(II), TSM-xxxDE17X.T9(II)
(xxx=450-485, in steps of 5)

mono series with 158.75 x 79.375 (mm) half cutting N type MBB cell:
144 cells:
TSM-xxxNE15M(II), TSM-xxxNE15M.05(II), TSM-xxxNE15M.08(II), TSM-xxxNE15M.09(II), TSM-xxxNE15M.T0(II), TSM-xxxNE15M.T8(II), TSM-xxxNE15M.T9(II)
(xxx=375-430, in steps of 5)
120 cells:
TSM-xxxNE06M(II), TSM-xxxNE06M.05(II), TSM-xxxNE06M.08(II), TSM-xxxNE06M.09(II), TSM-xxxNE06M.T0(II), TSM-xxxNE06M.T8(II),

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TSM-xxxNE06M.T9(II)
(xxx=315-355, in steps of 5)

mono series with 161.7 x 80.85 (mm) half cutting N type MBB cell:
144 cells:
TSM-xxxNE16M(II), TSM-xxxNE16M.05(II), TSM-xxxNE16M.08(II), TSM-xxxNE16M.09(II), TSM-xxxNE16M.T0(II), TSM-xxxNE16M.T8(II), TSM-xxxNE16M.T9(II)
(xxx=375-405, in steps of 5)
120 cells:
TSM-xxxNE07M(II), TSM-xxxNE07M.05(II), TSM-xxxNE07M.08(II), TSM-xxxNE07M.09(II), TSM-xxxNE07M.T0(II), TSM-xxxNE07M.T8(II), TSM-xxxNE07M.T9(II) (xxx=315-335, in steps of 5)

mono series with 210 x 105 (mm) half cutting bifacial N type MBB cells:
132 cells:
TSM-xxxNE21, TSM-xxxNE21.05, TSM-xxxNE21.08, TSM-xxxNE21.09, TSM-xxxNE21.T0, TSM-xxxNE21.T8, TSM-xxxNE21.T9
(xxx=645-675, in steps of 5)
120 cells:
TSM-xxxNE20, TSM-xxxNE20.05, TSM-xxxNE20.08, TSM-xxxNE20.09, TSM-xxxNE20.T0, TSM-xxxNE20.T8, TSM-xxxNE20.T9
(xxx=590-610, in steps of 5)
110 cells:
TSM-xxxNE19, TSM-xxxNE19.05, TSM-xxxNE19.08, TSM-xxxNE19.09, TSM-xxxNE19.T0, TSM-xxxNE19.T8, TSM-xxxNE19.T9
(xxx=540-560, in steps of 5)

mono series with 210 x 70 (mm) 1/3 cutting bifacial N type MBB cells:
150 cells:
TSM-xxxNE18M(II), TSM-xxxNE18M.05(II), TSM-xxxNE18M.08(II), TSM-xxxNE18M.09(II), TSM-xxxNE18M.T0(II), TSM-xxxNE18M.T8(II), TSM-xxxNE18M.T9(II)
(xxx=490-530, in steps of 5)
120 cells:
TSM-xxxNE09, TSM-xxxNE09.05, TSM-xxxNE09.08, TSM-xxxNE09.09, TSM-xxxNE09.T0, TSM-xxxNE09.T8, TSM-xxxNE09.T9
(xxx=395-420, in steps of 5)

mono series with 182 x 105 (mm) half cutting bifacial N type MBB cells:
132 cells:
TSM-xxxNE19R, TSM-xxxNE19R.08, TSM-xxxNE19R.09, TSM-xxxNE19R.T0, TSM-xxxNE19R.T8, TSM-xxxNE19R.T9, TSM-xxxNE19R.08 (xxx=565-590, in steps of 5)

mono series with 182 x 70 (mm) 1/3 cutting bifacial N type MBB cells:
144 cells:
TSM-xxxNE09R, TSM-xxxNE09R.05, TSM-xxxNE09R.08, TSM-xxxNE09R.B0, TSM-xxxNE09R.B5, TSM-xxxNE09R.B8
(xxx=415-435, in steps of 5, 144 cells)

mono series with 182 x 70 (mm) 1/3 cutting bifacial N type MBB cells and transparent backsheet:
144 cells:
TSM-xxxNE09RC.05, TSM-xxxNE09RC.07 (xxx=395-435, in steps of 5)

mono series with 158.75 x 79.375 (mm) half cutting N type MBB cells (for cells splicing technology):
156 cells:
TSM-xxxNE15X(II), TSM-xxxNE15X.05(II), TSM-xxxNE15X.08(II),

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TSM-xxxNE15X.09(II), TSM-xxxNE15X.T0(II), TSM-xxxNE15X.T8(II), TSM-xxxNE15X.T9(II) (xxx=405-435, in steps of 5)
132 cells:
TSM-xxxNE06X(II), TSM-xxxNE06X.05(II), TSM-xxxNE06X.08(II), TSM-xxxNE06X.09(II), TSM-xxxNE06X.T0(II), TSM-xxxNE06X.T8(II), TSM-xxxNE06X.T9(II)
(xxx=345-390, in steps of 5)

poly series with 157 x 157 (mm) solar cells:
72 cells:
TSM-xxxPE14A, TSM-xxxPE14A.08, TSM-xxxPE14A.09, TSM-xxxPE14A(II), TSM-xxxPE14A.08(II), TSM-xxxPE14A.09(II), TSM-xxxPE14A.T0, TSM-xxxPE14A.T8, TSM-xxxPE14A.T9, TSM-xxxPE14A.T0(II), TSM-xxxPE14A.T8(II), TSM-xxxPE14A.T9(II) TSM-xxxPE14A.W (xxx=305-360, in steps of 5)
TSM-xxxPE14B, TSM-xxxPE14B.08, TSM-xxxPE14B.09, TSM-xxxPE14B(II), TSM-xxxPE14B.08(II), TSM-xxxPE14B.09(II), TSM-xxxPE14B.T0, TSM-xxxPE14B.T8, TSM-xxxPE14B.T9, TSM-xxxPE14B.T0(II), TSM-xxxPE14B.T8(II), TSM-xxxPE14B.T9(II) (xxx=305-360, in steps of 5)
60 cells:
TSM-xxxPE05A, TSM-xxxPE05A.08, TSM-xxxPE05A.09, TSM-xxxPE05A(II), TSM-xxxPE05A.08(II), TSM-xxxPE05A.09(II), TSM-xxxPE05A.T0, TSM-xxxPE05A.T8, TSM-xxxPE05A.T9, TSM-xxxPE05A.T0(II), TSM-xxxPE05A.T8(II), TSM-xxxPE05A.T9(II) (xxx=255-300, in steps of 5)

poly series with 158.75 x 158.75 (mm) solar cells:
72 cells:
TSM-xxxPE15A, TSM-xxxPE15A.08, TSM-xxxPE15A.09, TSM-xxxPE15A(II), TSM-xxxPE15A.08(II), TSM-xxxPE15A.09(II), TSM-xxxPE15A.T0, TSM-xxxPE15A.T8, TSM-xxxPE15A.T9, TSM-xxxPE15A.T0(II), TSM-xxxPE15A.T8(II), TSM-xxxPE15A.T9(II) (xxx=305-360, in steps of 5)
TSM-xxxPE15B, TSM-xxxPE15B.08, TSM-xxxPE15B.09, TSM-xxxPE15B(II), TSM-xxxPE15B.08(II), TSM-xxxPE15B.09(II), TSM-xxxPE15B.T0, TSM-xxxPE15B.T8, TSM-xxxPE15B.T9, TSM-xxxPE15B.T0(II), TSM-xxxPE15B.T8(II), TSM-xxxPE15B.T9(II) (xxx=305-360, in steps of 5)
60 cells:
TSM-xxxPE06A, TSM-xxxPE06A.08, TSM-xxxPE06A.09, TSM-xxxPE06A(II), TSM-xxxPE06A.08(II), TSM-xxxPE06A.09(II), TSM-xxxPE06A.T0, TSM-xxxPE06A.T8, TSM-xxxPE06A.T9, TSM-xxxPE06A.T0(II), TSM-xxxPE06A.T8(II), TSM-xxxPE06A.T9(II) (xxx=255-300, in steps of 5)

poly series with 157 x 78.5 (mm) half cutting cells:
144 cells:
TSM-xxxPE14H, TSM-xxxPE14H.08, TSM-xxxPE14H.09, TSM-xxxPE14H(II), TSM-xxxPE14H.08(II), TSM-xxxPE14H.09(II), TSM-xxxPE14H.T0, TSM-xxxPE14H.T8, TSM-xxxPE14H.T9, TSM-xxxPE14H.T0(II), TSM-xxxPE14H.T8(II), TSM-xxxPE14H.T9(II) (xxx=320-360, in steps of 5)
TSM-xxxPE14HB, TSM-xxxPE14HB.08, TSM-xxxPE14HB.09, TSM-xxxPE14HB(II), TSM-xxxPE14HB.08(II), TSM-xxxPE14HB.09(II), TSM-xxxPE14HB.T0, TSM-xxxPE14HB.T8, TSM-xxxPE14HB.T9, TSM-xxxPE14HB.T0(II), TSM-xxxPE14HB.T8(II), TSM-xxxPE14HB.T9(II) (xxx=320-360, in steps of 5)
120 cells:
TSM-xxxPE05H, TSM-xxxPE05H.08, TSM-xxxPE05H.09, TSM-xxxPE05H(II), TSM-xxxPE05H.08(II), TSM-xxxPE05H.09(II),

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**TSM-xxxPE05H.T0, TSM-xxxPE05H.T8, TSM-xxxPE05H.T9,
TSM-xxxPE05H.T0(II), TSM-xxxPE05H.T8(II), TSM-xxxPE05H.T9(II)
(xxx=270-300, in steps of 5)**

**poly series with 158.75 x 79.375 (mm) half cutting cells:
144 cells:
TSM-xxxPE15H, TSM-xxxPE15H.08, TSM-xxxPE15H.09,
TSM-xxxPE15H(II), TSM-xxxPE15H.08(II), TSM-xxxPE15H.09(II),
TSM-xxxPE15H.T0, TSM-xxxPE15H.T8, TSM-xxxPE15H.T9,
TSM-xxxPE15H.T0(II), TSM-xxxPE15H.T8(II), TSM-xxxPE15H.T9(II)
(xxx=320-405, in steps of 5)
TSM-xxxPE15HB, TSM-xxxPE15HB.08, TSM-xxxPE15HB.09,
TSM-xxxPE15HB(II), TSM-xxxPE15HB.08(II), TSM-xxxPE15HB.09(II),
TSM-xxxPE15HB.T0, TSM-xxxPE15HB.T8, TSM-xxxPE15HB.T9,
TSM-xxxPE15HB.T0(II), TSM-xxxPE15HB.T8(II), TSM-
xxxPE15HB.T9(II)
(xxx=320-390, in steps of 5)
120 cells:
TSM-xxxPE06H, TSM-xxxPE06H.08, TSM-xxxPE06H.09,
TSM-xxxPE06H(II), TSM-xxxPE06H.08(II), TSM-xxxPE06H.09(II),
TSM-xxxPE06H.T0, TSM-xxxPE06H.T8, TSM-xxxPE06H.T9,
TSM-xxxPE06H.T0(II), TSM-xxxPE06H.T8(II), TSM-xxxPE06H.T9(II)
(xxx=270-335, in steps of 5)**

**poly series with 158.75 x 79.375 (mm) half cutting MBB cells:
144 cells:
TSM-xxxPE15M, TSM-xxxPE15M.08, TSM-xxxPE15M.09,
TSM-xxxPE15M.T0, TSM-xxxPE15M.T8, TSM-xxxPE15M.T9,
TSM-xxxPE15M(II), TSM-xxxPE15M.08(II), TSM-xxxPE15M.09(II),
TSM-xxxPE15M.T0(II), TSM-xxxPE15M.T8(II), TSM-xxxPE15M.T9(II)
(xxx=320-405, in steps of 5)
120 cells:
TSM-xxxPE06M, TSM-xxxPE06M.08, TSM-xxxPE06M.09,
TSM-xxxPE06M.T0, TSM-xxxPE06M.T8, TSM-xxxPE06M.T9,
TSM-xxxPE06M(II), TSM-xxxPE06M.08(II), TSM-xxxPE06M.09(II),
TSM-xxxPE06M.T0(II), TSM-xxxPE06M.T8(II), TSM-xxxPE06M.T9(II)
(xxx=270-335, in steps of 5)**

**poly series with 166 x 83 (mm) half cutting MBB cells:
144 cells:
TSM-xxxPE17M, TSM-xxxPE17M.08, TSM-xxxPE17M.09,
TSM-xxxPE17M.T0, TSM-xxxPE17M.T8, TSM-xxxPE17M.T9,
TSM-xxxPE17M(II), TSM-xxxPE17M.08(II), TSM-xxxPE17M.09(II),
TSM-xxxPE17M.T0(II), TSM-xxxPE17M.T8(II), TSM-xxxPE17M.T9(II)
(xxx=410-445, in steps of 5)
120 cells:
TSM-xxxPE08M, TSM-xxxPE08M.08, TSM-xxxPE08M.09,
TSM-xxxPE08M.T0, TSM-xxxPE08M.T8, TSM-xxxPE08M.T9,
TSM-xxxPE08M(II), TSM-xxxPE08M.08(II), TSM-xxxPE08M.09(II),
TSM-xxxPE08M.T0(II), TSM-xxxPE08M.T8(II), TSM-xxxPE08M.T9(II)
(xxx=335-365, in steps of 5)**

xxx stands for rated output power at STC

Parameters:

Safety Class:	Class II
Max. system voltage:	1500V DC
Construction:	Framed, with Junction box, cable and connector.

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Tested according to:

IEC 62716:2013
IEC 61215-1:2016
IEC 61215-1-1:2016
IEC 61215-2:2016
IEC 61730-1:2016
IEC 61730-2:2016

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