

## TŁUMACZENIE POŚWIADCZONE Z JĘZYKA ANGIELSKIEGO

[Wszelkie uwagi tłumacza podano kursywą w nawiasach kwadratowych. Na każdej stronie, po lewej stronie pionowo słowo: "CERTYFIKAT" w 6 językach.]

# CERTYFIKAT

[Kod QR]

[Logo:] TÜV SÜD

Obsługa  
produktów

Nr Z2 070321 0147 Aktualizacja 03

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

Znak certyfikacji:

[Znak, w otoku znaku treść:]  
Przebadane bezpieczeństwo  
Monitorowana produkcja

[Symbol:] S  
IEC 61730  
Fotowoltaika  
IEC 61215

[W środku znaku treść:] TÜV SÜD

[Znak, w środku znaku  
treść:] Anty-PID  
TRWAŁOŚĆ NAPIĘCIA  
SYSTEMOWEGO  
PPP 58042

Produkt: Moduły fotowoltaiczne (PV) naziemne z krzemu krystalicznego  
Moduły fotowoltaiczne z polikrystalicznego i monokrystalicznego krzemu

Produkt został przetestowany na zasadzie dobrowolności i jest zgodny z zasadniczymi wymogami. Przedstawiony powyżej znak certyfikacji może być umieszczony na produkcie. Niedozwolone jest dokonywanie jakichkolwiek zmian w znaku certyfikacji. Ponadto posiadaczowi certyfikatu nie wolno przekazywać certyfikatu osobom trzecim. Niniejszy certyfikat jest ważny do podanej daty, o ile nie zostanie wcześniej unieważniony. Należy spełnić wszystkie obowiązujące wymagania przepisów dotyczących badań i certyfikacji TÜV SÜD Group. Szczegóły pod adresem: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

Raport z testu nr: 704062210707-03

Ważny do: 2027-09-05

Data: 2022-09-16 [Niezczytelny podpis]

( Zhulin Zhang )

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Obsługa  
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## Model(-e):

seria mono z ogniwami słonecznymi 157 x 157 (mm):

72 ogniwa:

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, co 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, co 5)

60 ogniw:

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, co 5)

seria mono z ogniwami słonecznymi 158.75 x 158.75 (mm):

72 ogniwa:

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, co 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, co 5)

60 ogniw:

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, co 5)

seria mono z ogniwami typu half cut 157 x 78.5 (mm):

144 ogniwa:

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, co 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, co 5)

120 ogniw:

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, co 5)

seria mono z ogniwami typu half cut 158.75 x 79.375 (mm):

144 ogniwa:

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, co 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, co 5)

120 ogniw:

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)

(xxx=275-350, co 5)

seria mono z ogniwami MBB typu half cut 158.75 x 79.375 (mm):

144 ogniwa:

TSM-xxxDE15M(II), TSM-xxxDE15M.05(II), TSM-xxxDE15 M.08(II),  
TSM-xxxDE15M.09(II), TSM-xxxDE15M.T0(II), TSM-xxxDE15M.T8(II),  
TSM-xxxDE15M.T9(II)

(xxx=330-420, co 5)

TSM-xxxDE15MB(II), TSM-xxxDE15MB.05(II), TSM-xxxDE15MB.08(II),  
TSM-xxxDE15MB.09(II), TSM-xxxDE15MB.T0(II), TSM-xxxDE15MB.T8(II),

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TSM-xxxDE15MB.T9(II)

(xxx=330-420, co 5)

120 ogniw:

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, co 5)

120 ogniw:

TSM-xxxDE151 M(II), TSM-xxxDE151M.08(II), TSM-xxxDE151 M.09(II),  
TSM-xxxDE151M.T0(II), TSM-xxxDE151M.T8(II), TSM-xxxDE151M.T9(II),  
TSM-xxxDE151M.05(II)

(xxx=300-350, co 5)

96 ogniw:

TSM-xxxDE061M(II), TSM-xxxDE061M.08(II), TSM-xxxDE061 M.09(II),  
TSM-xxxDE061M.T0(II), TSM-xxxDE061M.T8(II), TSM-xxxDE061 M.T9(II),  
TSM-xxxDE061 M.05(II), TSM-xxxDE061M.10(II), TSM-xxxDE061M.18(II)

(xxx=240-280, co 5)

seria mono z ogniwami MBB typu half cut 166 x 83 (mm):

144 ogniwa:

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, co 5)

120 ogniw:

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, co 5)

110 ogniw:

TSM-xxxDE171 H(II) (xxx=315-350, co 5)

seria mono z ogniwami MBB typu half cut 166 x 83 (mm):

90 ogniw:

TSM-xxxDE081M(II), TSM-xxxDE081M.05(II), TSM-xxxDE081 M.08(II),  
TSM-xxxDE081 M.09(II), TSM-xxxDE081 M.T0(II), TSM-xxxDE081 M.T8(II),  
TSM-xxxDE081M.T9(II)

(xxx=265-295, co 5)

seria mono z dwustronnymi ogniwami MBB typu half cut 182 x 91 (mm):

144 ogniwa:

TSM-xxxDE18, TSM-xxxDE18.05, TSM-xxxDE18.08, TSM-xxxDE18.09,  
TSM-xxxDE18.T0, TSM-xxxDE18.T8, TSM-xxxDE18.T9,  
TSM-xxxDE18.60 (xxx=515-555, co 5)

120 ogniw:

TSM-xxxDE10, TSM-xxxDE10.05, TSM-xxxDE10.08, TSM-xxxDE10.09,  
TSM-xxxDE10.T0, TSM-xxxDE10.T8, TSM-xxxDE10.T9

(xxx=430-455, co 5)

108 ogniw:

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, co 5)

seria mono z dwustronnymi ogniwami MBB typu half cut 210 x 105 (mm):

120 ogniw:

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

(xxx=575-610, co 5)

110 ogniw:

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

(xxx=500-560, co 5)

132 ogniwa:

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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  
(xxx=635-675, co 5)

seria mono z dwustronnymi ogniwami typu half cut 210 x 105 (mm) i przezroczystą tylną warstwą:  
110 ogniw:  
TSM-xxxDE19C, TSM-xxxDE19C.08  
(xxx=500-560, co 5)

seria mono z dwustronnymi ogniwami MBB typu cut 182 x 105 (mm):  
132 ogniwa:  
TSM-xxxDE19R, TSM-xxxDE19R.08, TSM-xxxDE19R.09,  
TSM-xxxDE19R.T0, TSM-xxxDE19R.T8, TSM-xxxDE19R.T9,  
TSM-xxxDE19R.05, TSM-xxxDE19R.00S  
(xxx=550-605, co 5)

seria mono z dwustronnymi ogniwami MBB typu 1/3 cut 182 x 70 (mm):  
144 ogniwa:  
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  
(xxx=395-440, co 5)

seria mono z dwustronnymi ogniwami MBB typu 1/3 cut 158.75 x 52.92 (mm):  
252 ogniwa:  
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, co 5)

seria mono z dwustronnymi ogniwami MBB typu 1/3 cut 210 x 70 (mm):  
150 ogniw:  
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)  
(xxx=470-520, co 5)  
120 ogniw:  
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  
(xxx=375-415, co 5)

seria mono z dwustronnymi ogniwami MBB typu 1/3 cut 210 x 70 (mm) i przezroczystą tylną warstwą:  
120 ogniw:  
TSM-xxxDE09C.05, TSM-xxxDE09C.07  
(xxx=375-415, co 5)

seria mono z dwustronnymi ogniwami MBB typu half cut 158.75 x 79.375 (mm) (dla ogniw w technologii splicing):  
156 ogniw:  
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, co 5)  
132 ogniwa:  
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, co 5)

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seria mono z dwustronnymi ogniwami typu half cut 158.75 x 79.375 (mm) i przezroczystą tylną warstwą:

132 ogniwa:

TSM-xxxDE06XC(II), TSM-xxxDE06XC.05(II), TSM-xxxDE06XC.08(II),  
TSM-xxxDE06XC.09(II), TSM-xxxDE06XC.07(II)  
(xxx=355-380, co 5)

seria mono z dwustronnymi ogniwami MBB typu half cut 166 x 83 (mm) (dla ogniw w technologii splicing):

156 ogniw:

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, co 5)

seria mono z ogniwem MBB typu half cut N 158.75 x 79.375 (mm):

144 ogniwa:

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, co 5)

120 ogniw:

TSM-xxxNE06M(II), TSM-xxxNE06M.05(II), TSM-xxxNE06M.08(II),  
TSM-xxxNE06M.09(II), TSM-xxxNE06M.T0(II), TSM-xxxNE06M.T8(II),  
TSM-xxxNE06M.T9(II)  
(xxx=315-355, co 5)

seria mono z ogniwem MBB typu half cut N 161.7 x 80.85 (mm):

144 ogniwa:

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, co 5)

120 ogniw:

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, co 5)

seria mono z dwustronnymi ogniwami MBB typu half cut N 210 x 105 (mm):

132 ogniwa:

TSM-xxxNE21, TSM-xxxNE21.05, TSM-xxxNE21.08, TSM-xxxNE21.09,  
TSM-xxxNE21.T0, TSM-xxxNE21.T8, TSM-xxxNE21.T9  
(xxx=645-675, co 5)

120 ogniw:

TSM-xxxNE20, TSM-xxxNE20.05, TSM-xxxNE20.08, TSM-xxxNE20.09,  
TSM-xxxNE20.T0, TSM-xxxNE20.T8, TSM-xxxNE20.T9  
(xxx=590-610, co 5)

110 ogniw:

TSM-xxxNE19, TSM-xxxNE19.05, TSM-xxxNE19.08, TSM-xxxNE19.09,  
TSM-xxxNE19.T0, TSM-xxxNE19.T8, TSM-xxxNE19.T9  
(xxx=540-560, co 5)

seria mono z dwustronnymi ogniwami MBB typu 1/3 cut N 210 x 70 (mm):

150 ogniw:

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, co 5)

120 ogniw:

TSM-xxxNE09, TSM-xxxNE09.05, TSM-xxxNE09.08, TSM-xxxNE09.09,  
TSM-xxxNE09.T0, TSM-xxxNE09.T8, TSM-xxxNE09.T9  
(xxx=395-420, co 5)

seria mono z ogniwami MBB typu half cut N 158.75 x 79.375 (mm) (dla ogniw w technologii splicing):

156 ogniw:

TSM-xxxNE15X(II), TSM-xxxNE15X.05(II), TSM-xxxNE15X.08(II),  
TSM-xxxNE15X.09(II), TSM-xxxNE15X.T0(II), TSM-xxxNE15X.T8(II),  
TSM-xxxNE15X.T9(II) (xxx=405-435, co 5)

132 ogniwa:

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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, co 5)

seria poli z ogniwoami słonecznymi 157 x 157 (mm):

72 ogniwa:

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(M), TSM-xxxPE14A.T8(II), TSM-xxxPE14A.T9(II)  
(xxx=305-360, co 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, co 5)

60 ogniw:

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, co 5)

seria poli z ogniwoami słonecznymi 158.75 x 158.75 (mm):

72 ogniwa:

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, co 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, co 5)

60 ogniw:

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, co 5)

seria poli z ogniwoami typu half cut 157 x 78.5 (mm):

144 ogniwa:

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, co 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, co 5)

120 ogniw:

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

seria poli z ogniwoami typu half cut 158.75 x 79.375 (mm):

144 ogniwa:

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, co 5)

TSM-xxxPE15HB, TSM-xxxPE15HB.08, TSM-xxxPE15HB.09,

TÜV

# CERTYFIKAT

Nr Z2 070321 0147 Aktualizacja 03

[Logo] TÜV SÜD

Obsługa  
produktów

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, co 5)  
120 ogniw:  
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, co 5)

seria poli z ogniwami MBB typu half cut 158.75 x 79.375 (mm):  
144 ogniwa:  
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, co 5)  
120 ogniw:  
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, co 5)

seria poli z ogniwami MBB typu half cut 166 x 83 (mm):  
144 ogniwa:  
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, co 5)  
120 ogniw:  
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, co 5)

xxx oznacza znamionową moc wyjściową w STC

## Parametry:

Klasa bezpieczeństwa:	Klasa II
Maksymalne napięcie systemu:	1500 V DC
Konstrukcja:	Ramowa ze skrzynką przyłączeniową, kablem i złączem.
Warunki testu PID:	±1500 V, 192 godz. 85°C, 85% RH
Uwagi: Metoda testu PID:	Test PID jest zgodny z metodą testową a z IEC TS 62804-1:2015

## Testowane zgodnie z:

PPP 58042B:2015  
IEC 61215-1:2016  
IEC 61215-1-1:2016  
IEC 61215-2:2016  
IEC 61730-1:2016  
IEC 61730-2:2016

Niniejszym poświadczam zgodność powyższego tłumaczenia z dokumentem elektronicznym w języku angielskim.

Aleksandra Bacz, tłumacz przysięgły języka angielskiego, wpisany na listę tłumaczy przysięgłych, prowadzoną przez ministra sprawiedliwości, pod numerem TP/2/18.

Numer w repertorium: 789/2022

Gliwice, 17.11.2022 r.