



IEC2016対応

日付 _____
仕様書番号 TJP20220203DEG18MC.20(II)
管理番号 _____

納入仕様書

御中

品名: 太陽電池モジュール

型式: TSM-DEG18MC.20(II)

トリナ・ソーラー・ジャパン株式会社

注記: 製品使用前に、ユーザーマニュアル及び限定保証書をお読みください。
本仕様書記載事項は予告なく変更されることがあります。

トリナソーラー結晶系太陽電池モジュール

1. 適用範囲

本仕様書は、トリナソーラー社製太陽電池モジュール(以下「本モジュール」)に適用する

2. 適用規格

本モジュールは以下国際規格に準じ、第三者機関による製品認証を取得

IEC 61215-1:2016	性能認証規格(試験要求)
IEC 61215-1-1:2016	性能認証規格(結晶系シリコン太陽光モジュール試験の特別要求)
IEC 61215-2:2016	性能認証規格(試験手順)
IEC 61730-1:2016	安全認証規格(構造に対する要求事項)
IEC 61730-2:2016	安全認証規格(試験に対する要求事項)

3. 感電保護クラス及び火災等級

感電保護クラス 本モジュールはIEC61730-1 4.3項に規定される等級Ⅱに適合する

火災等級 本モジュールはUL790に規定される火災等級Aに適合する

4. モジュール最大定格

項目	単位	最大定格値	備考
動作温度	°C	-40～+85	
保管温度	°C	-40～+50	※1
動作湿度	%RH	85	※2
正圧試験荷重	Pa	5400	※3、※4、※5
負圧試験荷重	Pa	2400	※3、※4、※5
最大システム電圧	VDC	1500	
最大過電流保護定格	A	25	

※1:ユーザーマニュアルにて定めた保管方法の場合に限る。

※2:雨天時等の一時的な逸脱は、許容する。

※3:ユーザーマニュアルにて定めた取付方法の場合に限る。

※4:IEC61215:2016の機械的荷重試験に準じた方法で、該当する荷重条件にて外観及び電気的性能に異常が無いこととする。

※5:設計荷重の安全係数は、1.5とする。設計荷重は試験荷重の1/1.5。

5. 仕様

5.1 基幹部材

本モジュールに使用される基幹部材は、下記内容と規定し、特に規定がないものについては本仕様書の性能を十分に満たす材料を選定し使用する

部材仕様

セル	単結晶
セル枚数	150セル
モジュール寸法	2187±2 × 1102±2 × 35±1 mm
公称重量	30.1 kg
フロントガラス	高透過・反射防止倍強度ガラス 2.0 mm
封止材料	POE, EVA
バックガラス	倍強度ガラス 2.0 mm(ホワイトグリッドガラス)
フレーム	シルバー・アルマイト処理アルミ合金 35 mm
端子ボックス	IP68定格
ケーブル	PVケーブル4.0mm ² 、 縦置き: N 280±10 mm, P 280±10 mm 横置き: N 1400±10 mm, P 1400±10 mm
コネクタ	MC4 EVO2 / TS4*(1500V)

*: トリナコネクタ(ケーブル外径6.0-7.2mm用、
1パレットに専用スパナと2組の予備コネクタ付属)

5.2 電気特性

電気特性は、標準試験条件(STC)に準じ測定したものとする
(モジュール温度25°C、AM1.5、日射強度:1000w/m²)

TSM-480DEG18MC.20(II)

型 式	TSM-480DEG18MC.20(II)
公称最大出力(Pmax)	480W
公称最大動作電圧(Vmax)	42.2V
公称最大動作電流(Impp)	11.38A
公称開放電圧(Voc)	50.7V
公称短絡電流(Isc)	11.97A
モジュール変換効率	19.9%

TSM-485DEG18MC.20(II)

型 式	TSM-485DEG18MC.20(II)
公称最大出力(Pmax)	485W
公称最大動作電圧(Vmax)	42.5V
公称最大動作電流(Impp)	11.42A
公称開放電圧(Voc)	50.9V
公称短絡電流(Isc)	12.01A
モジュール変換効率	20.1%

TSM-490DEG18MC.20(II)

型 式	TSM-490DEG18MC.20(II)
公称最大出力(Pmax)	490W
公称最大動作電圧(Vmax)	42.8V
公称最大動作電流(Impp)	11.45A
公称開放電圧(Voc)	51.1V
公称短絡電流(Isc)	12.05A
モジュール変換効率	20.3%

TSM-495DEG18MC.20(II)

型 式	TSM-495DEG18MC.20(II)
公称最大出力(Pmax)	495W
公称最大動作電圧(Vmax)	43.1V
公称最大動作電流(Impp)	11.49A
公称開放電圧(Voc)	51.3V
公称短絡電流(Isc)	12.09A
モジュール変換効率	20.5%

TSM-500DEG18MC.20(II)

型 式	TSM-500DEG18MC.20(II)
公称最大出力(Pmax)	500W
公称最大動作電圧(Vmax)	43.4V
公称最大動作電流(Impp)	11.53A
公称開放電圧(Voc)	51.5V
公称短絡電流(Isc)	12.13A
モジュール変換効率	20.7%

TSM-505DEG18MC.20(II)

型 式	TSM-505DEG18MC.20(II)
公称最大出力(Pmax)	505W
公称最大動作電圧(Vmax)	43.7V
公称最大動作電流(Impp)	11.56A
公称開放電圧(Voc)	51.7V
公称短絡電流(Isc)	12.17A
モジュール変換効率	21.0%

公称温度係数 (%/°C)	最大出力(Pmax)	-0.34
	開放電圧(Voc)	-0.25
	短絡電流(Isc)	0.04

公称出力許容公差	上限値	下限値	単位
	3	公称値	%

5.3 出荷検査

出荷検査は、電気特性検査、絶縁耐圧試験、及び外観検査を全数行い、良品のみを出荷します。

5.3.1 電気特性検査

ソーラーシミュレーターで、STC条件で、電気特性測定を行います。
STC条件は、AM1.5、1000 W/m²、25°C±2°Cです。

5.3.2 絶縁耐圧試験

(システム電圧×2+1000V)の直流電圧を1分間印加後、絶縁破壊などの異常なきこと*1
*1 JIS C 61215-2 にて出荷検査における耐電圧試験条件の印加電圧を
(システム電圧×2+1000V)×1.2 にすることにより、保持時間を1 秒以上に短縮することが認められている。

5.3.3 外観検査

社内規定に準じて、全数検査を行います。

5.3.4 フラッシュレポート

シリアルナンバーと電気特性結果の対比ができるレポートを提出します。

梱包構成

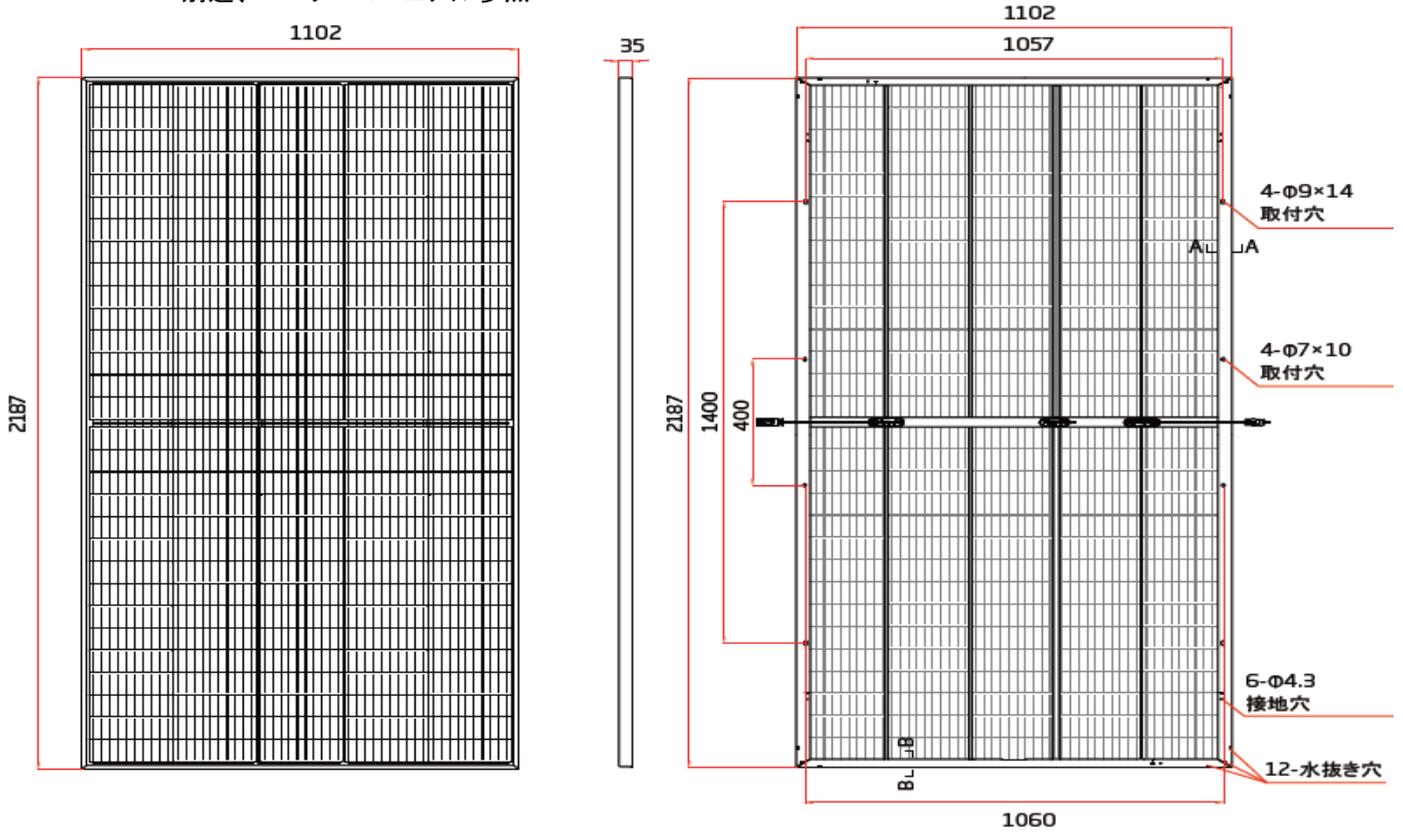
6. 設置上の注意

集合梱包

31枚/パレット
620枚/40FTコンテナ

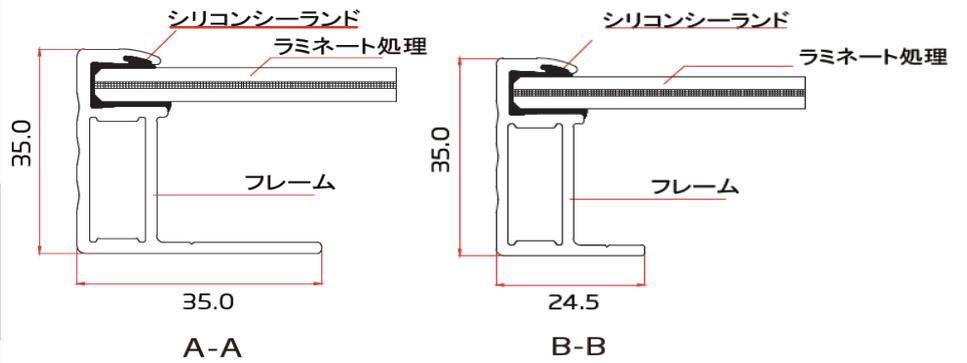
7. 各部寸法(モジュール寸法:2187±2 × 1102±2 × 35±1 mm)

別途、ユーザーマニュアル参照



表面図

裏面図



注)形状は、写真と異なる場合があります。DEG18MC.20(II)_JP_2022_A

8. TSM-DEG18MC.20(II)製品ラベル

TSM-480DEG18MC.20(II)

	Maximum Power(Pmax)	480W *	<p><small>*Considering LID, the power range of the certification authority, tolerance (Pmax) ±3%, (Voc) ±3%, (Isc) ±5%) For field connections, use minimum 4mm²(No. 12AWG)copper wires insulated for a minimum 90°C</small></p> <p>WARNING-ELECTRICAL HAZARD This module produces electricity when exposed to light. Follow all applicable electrical safety precautions.</p> <p>Trina Solar Co., Ltd. No.2 TianHe Road, Trina PV Industrial Park, New District, Changzhou City, Jiangsu Province 213031, P. R. China www.trinasolar.com</p>	  
	Maximum Power Voltage(Vmp)	42.2V		
Maximum Power Current(Imp)	11.38A	<p>Trina Solar Co., Ltd. No.2 TianHe Road, Trina PV Industrial Park, New District, Changzhou City, Jiangsu Province 213031, P. R. China www.trinasolar.com</p>	<p>Made in China</p>	
Open Circuit Voltage(Voc)	50.7V *			
Short Circuit Current(Isc)	11.97A*			
Maximum Series Fuse	35A			
Power Selection	0 ~+ 5W			
Maximum System Voltage	1500V			
Electrical Rating At STC: AM1.5 1000W/m ² Tc=25°C				

TSM-485DEG18MC.20(II)

	Maximum Power(Pmax)	485W *	<p><small>*Considering LID, the power range of the certification authority, tolerance (Pmax) ±3%, (Voc) ±3%, (Isc) ±5%) For field connections, use minimum 4mm²(No. 12AWG)copper wires insulated for a minimum 90°C</small></p> <p>WARNING-ELECTRICAL HAZARD This module produces electricity when exposed to light. Follow all applicable electrical safety precautions.</p> <p>Trina Solar Co., Ltd. No.2 TianHe Road, Trina PV Industrial Park, New District, Changzhou City, Jiangsu Province 213031, P. R. China www.trinasolar.com</p>	  
	Maximum Power Voltage(Vmp)	42.5V		
Maximum Power Current(Imp)	11.42A	<p>Trina Solar Co., Ltd. No.2 TianHe Road, Trina PV Industrial Park, New District, Changzhou City, Jiangsu Province 213031, P. R. China www.trinasolar.com</p>	<p>Made in China</p>	
Open Circuit Voltage(Voc)	50.9V *			
Short Circuit Current(Isc)	12.01A*			
Maximum Series Fuse	35A			
Power Selection	0 ~+ 5W			
Maximum System Voltage	1500V			
Electrical Rating At STC: AM1.5 1000W/m ² Tc=25°C				

TSM-490DEG18MC.20(II)

	Maximum Power(Pmax)	490W *	<p><small>*Considering LID, the power range of the certification authority, tolerance (Pmax) ±3%, (Voc) ±3%, (Isc) ±5%) For field connections, use minimum 4mm²(No. 12AWG)copper wires insulated for a minimum 90°C</small></p> <p>WARNING-ELECTRICAL HAZARD This module produces electricity when exposed to light. Follow all applicable electrical safety precautions.</p> <p>Trina Solar Co., Ltd. No.2 TianHe Road, Trina PV Industrial Park, New District, Changzhou City, Jiangsu Province 213031, P. R. China www.trinasolar.com</p>	  
	Maximum Power Voltage(Vmp)	42.8V		
Maximum Power Current(Imp)	11.45A	<p>Trina Solar Co., Ltd. No.2 TianHe Road, Trina PV Industrial Park, New District, Changzhou City, Jiangsu Province 213031, P. R. China www.trinasolar.com</p>	<p>Made in China</p>	
Open Circuit Voltage(Voc)	51.1V *			
Short Circuit Current(Isc)	12.05A*			
Maximum Series Fuse	35A			
Power Selection	0 ~+ 5W			
Maximum System Voltage	1500V			
Electrical Rating At STC: AM1.5 1000W/m ² Tc=25°C				

TSM-495DEG18MC.20(II)

	Maximum Power(Pmax)	495W *	<p><small>*Considering LID, the power range of the certification authority, tolerance (Pmax) ±3%, (Voc) ±3%, (Isc) ±5%) For field connections, use minimum 4mm²(No. 12AWG)copper wires insulated for a minimum 90°C</small></p> <p>WARNING-ELECTRICAL HAZARD This module produces electricity when exposed to light. Follow all applicable electrical safety precautions.</p> <p>Trina Solar Co., Ltd. No.2 TianHe Road, Trina PV Industrial Park, New District, Changzhou City, Jiangsu Province 213031, P. R. China www.trinasolar.com</p>	  
	Maximum Power Voltage(Vmp)	43.1V		
Maximum Power Current(Imp)	11.49A	<p>Trina Solar Co., Ltd. No.2 TianHe Road, Trina PV Industrial Park, New District, Changzhou City, Jiangsu Province 213031, P. R. China www.trinasolar.com</p>	<p>Made in China</p>	
Open Circuit Voltage(Voc)	51.3V *			
Short Circuit Current(Isc)	12.09A*			
Maximum Series Fuse	35A			
Power Selection	0 ~+ 5W			
Maximum System Voltage	1500V			
Electrical Rating At STC: AM1.5 1000W/m ² Tc=25°C				

TSM-500DEG18MC.20(II)

	Maximum Power(Pmax)	500W *	<p><small>*Considering LID, the power range of the certification authority, tolerance (Pmax) ±3%, (Voc) ±3%, (Isc) ±5%) For field connections, use minimum 4mm²(No. 12AWG)copper wires insulated for a minimum 90°C</small></p> <p>WARNING-ELECTRICAL HAZARD This module produces electricity when exposed to light. Follow all applicable electrical safety precautions.</p> <p>Trina Solar Co., Ltd. No.2 TianHe Road, Trina PV Industrial Park, New District, Changzhou City, Jiangsu Province 213031, P. R. China www.trinasolar.com</p>	  
	Maximum Power Voltage(Vmp)	43.4V		
Maximum Power Current(Imp)	11.53A	<p>Trina Solar Co., Ltd. No.2 TianHe Road, Trina PV Industrial Park, New District, Changzhou City, Jiangsu Province 213031, P. R. China www.trinasolar.com</p>	<p>Made in China</p>	
Open Circuit Voltage(Voc)	51.5V *			
Short Circuit Current(Isc)	12.13A*			
Maximum Series Fuse	35A			
Power Selection	0 ~+ 5W			
Maximum System Voltage	1500V			
Electrical Rating At STC: AM1.5 1000W/m ² Tc=25°C				

TSM-505DEG18MC.20(II)

	Maximum Power(Pmax)	505W *	<p><small>*Considering LID, the power range of the certification authority, tolerance (Pmax) ±3%, (Voc) ±3%, (Isc) ±5%) For field connections, use minimum 4mm²(No. 12AWG)copper wires insulated for a minimum 90°C</small></p> <p>WARNING-ELECTRICAL HAZARD This module produces electricity when exposed to light. Follow all applicable electrical safety precautions.</p> <p>Trina Solar Co., Ltd. No.2 TianHe Road, Trina PV Industrial Park, New District, Changzhou City, Jiangsu Province 213031, P. R. China www.trinasolar.com</p>	  
	Maximum Power Voltage(Vmp)	43.7V		
Maximum Power Current(Imp)	11.56A	<p>Trina Solar Co., Ltd. No.2 TianHe Road, Trina PV Industrial Park, New District, Changzhou City, Jiangsu Province 213031, P. R. China www.trinasolar.com</p>	<p>Made in China</p>	
Open Circuit Voltage(Voc)	51.7V *			
Short Circuit Current(Isc)	12.17A*			
Maximum Series Fuse	35A			
Power Selection	0 ~+ 5W			
Maximum System Voltage	1500V			
Electrical Rating At STC: AM1.5 1000W/m ² Tc=25°C				



Product Service

CERTIFICATE

No. Z2 070321 0097 Rev. 30

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

Test report no.: 64290170581740
Valid until: 2024-03-30

Date, 2021-08-30

(Symbol Zhao)



CERTIFICATE

No. Z2 070321 0097 Rev. 30

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=460-510, 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-xxxDEG15VC.20(II), TSM-xxxDEG15VC.25(II),
 TSM-xxxDEG15VC.27(II), TSM-xxxDEG15VC.28(II),
 TSM-xxxDEG15VC.29(II)
 (xxx=465-490, 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-xxxDEG21C.20, TSM-xxxDEG21C.25,
 TSM-xxxDEG21C.27, TSM-xxxDEG21C.28,
 TSM-xxxDEG21C.29
 (xxx=635-675, 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,



Product Service

CERTIFICATE

No. Z2 070321 0097 Rev. 30

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;
TSM-xxxDEG5(II), TSM-xxxDEG5.05(II), TSM-xxxDEG5.25(II), TSM-xxxDEG5.07(II), TSM-xxxDEG5.20(II), TSM-xxxDEG5.27(II), TSM-xxxDEG5.28(II), TSM-xxxDEG5.29(II), TSM-xxxDEG5.40(II), TSM-xxxDEG5.47(II) (xxx=275-325, in steps of 5).	275 W, 280 W, 285 W, 290 W, 295 W, 300 W, 305 W, 310 W, 315 W, 320 W, 325 W;



CERTIFICATE

No. Z2 070321 0097 Rev. 30

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), TSM-xxxDEG15HC.29(II) (xxx=350-410, in steps of 5).	350 W, 355 W, 360 W, 365 W, 370 W, 375 W, 380 W, 385 W, 390 W, 395 W, 400 W, 405 W, 410 W;
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).	295 W, 300 W, 305 W, 310 W, 315 W, 320 W, 325 W, 330 W, 335 W, 340 W;
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).	350 W, 355 W, 360 W, 365 W, 370 W, 375 W, 380 W, 385 W, 390 W, 395 W;
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).	295 W, 300 W, 305 W, 310 W, 315 W, 320 W, 325 W, 330 W;
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).	350 W, 355 W, 360 W, 365 W, 370 W, 375 W, 380 W, 385 W, 390 W, 395 W, 400 W, 405 W, 410 W, 415 W, 420 W, 425 W;
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).	295 W, 300 W, 305 W, 310 W, 315 W, 320 W, 325 W, 330 W, 335 W, 340 W, 345 W, 350 W;
TSM-xxxDEG17MC(II), TSM-xxxDEG17MC.05(II), 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).	425 W, 430 W, 435 W, 440 W, 445 W, 450 W, 355 W, 360 W;
TSM-xxxDEG8MC(II), TSM-xxxDEG8MC.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).	355 W, 360 W, 365 W, 370 W, 375 W, 380 W;
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=460-510, in steps of 5).	460 W, 465 W, 470 W, 475 W, 480 W, 485 W, 490 W, 495 W, 500 W, 505 W, 510 W;
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).	460 W, 465 W, 470 W, 475 W, 480 W, 485 W, 490 W, 495 W, 500 W, 505 W;



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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).	280 W, 285 W, 290 W, 295 W, 300 W, 305 W, 310 W, 315 W, 320 W, 325 W, 330 W, 335 W;
TSM-xxxPEG5ZV, TSM-xxxPEG5ZV.05, TSM-xxxPEG5ZV.07, TSM-xxxPEG5ZV.40, TSM-xxxPEG5ZV.47 (xxx=280-300, in steps of 5).	280 W, 285 W, 290 W, 295 W, 300 W

**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