



Product Service

CERTIFICATE

No. Z2 101645 0012 Rev. 00

Holder of Certificate: TommaTech GmbH
Angerweg 14
85748 Garching b. München
GERMANY

Certification Mark:



Product: Crystalline Silicon Terrestrial Photovoltaic (PV) Modules
[Mono 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.: 64290203011308B

Valid until: 2027-06-12

Date, 2022-09-26

(Symbol Zhao)



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Model(s):

- TTxxx-144PMB (xxx=420-455, in steps of 5);
- TTxxx-132PMB (xxx=395-415, in steps of 5);
- TTxxx-120PMB (xxx=350-380, in steps of 5);
- TTxxx-78PMB-HC (xxx=430-445, in steps of 5);
- TTxxx-72PMB-HC (xxx=400-415, in steps of 5);
- TTxxx-60PMB-HC (xxx=330-345, in steps of 5).
- TTxxx-144PMB10 (xxx=525-560, in steps of 5);
- TTxxx-132PMB10 (xxx=480-515, in steps of 5);
- TTxxx-120PMB10 (xxx=440-465, in steps of 5);
- TTxxx-108PMB10 (xxx=390-420, in steps of 5).
- TTxxx-132PMB12 (xxx=640-675, in steps of 5);
- TTxxx-120PMB12 (xxx=580-615, in steps of 5);
- TTxxx-108PMB12 (xxx=520-550, in steps of 5).
- TTxxx-132PMB12HB(xxx=670-700, in steps of 5);
- TTxxx-120PMB12HB (xxx=610-635, in steps of 5);
- TTxxx-108PMB12HB (xxx=545-570, in steps of 5).

xxx stands for rated output power at STC.

TTxxx-xxxPMB, TTxxx-xxPMB-HC, TTxxx-xxxPMB10, TTxxx-xxxPMB12, TTxxx-xxxPMB12HB series are bifacial modules. The "rated output power at STC" is generated only by front side.

Parameters:

Protection class:	Class II
Max. system voltage:	1500 V d.c.
Fire safety class:	Class A according to UL 790
Construction:	Framed, with Junction box, Cable and Connectors

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