



Product Service

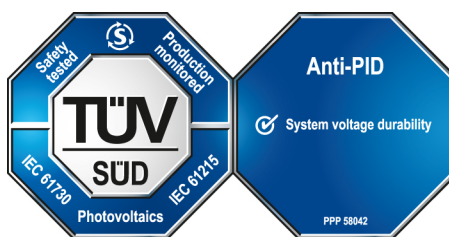
# CERTIFICATE

No. Z2 101645 0010 Rev. 01

**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](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64290203095703B

**Valid until:** 2026-10-27

**Date,** 2022-09-29

( Symbol Zhao )



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## Model(s):

TTxxx-144PM-HC (xxx=420-465, in steps of 5);  
TTxxx-132PM-HC (xxx=400-425, in steps of 5);  
TTxxx-120PM-HC (xxx=350-385, in steps of 5);  
TTxxx-144PM10 (xxx=525-550, in steps of 5);  
TTxxx-132PM10 (xxx=480-505, in steps of 5);  
TTxxx-120PM10 (xxx=440-455, in steps of 5);  
TTxxx-108PM10 (xxx=390-410, in steps of 5);  
TTxxx-132PM12 (xxx=640-675, in steps of 5);  
TTxxx-120PM12 (xxx=580-615, in steps of 5);  
TTxxx-108PM12 (xxx=520-550, in steps of 5).

xxx stands for rated output power at STC.

## Parameters:

Construction:	Framed, with Junction box, Cable and Connectors
Protection class:	Class II
Max. system voltage:	1500 V d.c.
Fire safety class:	Class C according to UL 790
PID test condition:	± 1500 V d.c., 96 h, 85 % RH, 85 °C

## Tested according to:

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