



Product Service

# CERTIFICATE

No. Z2 112518 0002 Rev. 00

**Holder of Certificate:** **AE Solar Co.,Ltd.**  
No.26.Jingyi Road  
Hongze Economic Development Zone  
223100 Huaian City, Jiangsu  
PEOPLE'S REPUBLIC OF CHINA

**Certification Mark:**



**Product:** **Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**  
**Mono-crystalline Silicon Hetero-junction Photovoltaic (PV) 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](http://www.tuvsud.com/ps-cert)

**Test report no.:** 701262204001-00

**Valid until:** 2026-12-09

**Date,** 2022-03-25

( Zhulin Zhang )

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## Model(s):

### Framed:

AExxxTMC-144BDS (xxx=440 to 480 in step of 5)  
AExxxTMC-132BDS (xxx=405 to 440 in step of 5)  
AExxxTMC-120BDS (xxx=365 to 400 in step of 5)  
AExxxTMC-144BDSN (xxx=440 to 480 in step of 5)  
AExxxTMC-132BDSN (xxx=405 to 440 in step of 5)  
AExxxTMC-120BDSN (xxx=365 to 400 in step of 5)  
AExxxTMC-156BDSB (xxx=490 to 520 in step of 5)  
AExxxTMC-144BDSB (xxx=450 to 480 in step of 5)  
AExxxTMC-132BDSB (xxx=410 to 440 in step of 5)  
AExxxTMC-120BDSB (xxx=375 to 400 in step of 5)  
AExxxTMC-156BDSN (xxx=490 to 520 in step of 5)  
AExxxTMC-156BDS (xxx=490 to 520 in step of 5)

### Frameless:

AExxxTMC-144BDN (xxx=440 to 480 in step of 5)  
AExxxTMC-132BDN (xxx=405 to 440 in step of 5)  
AExxxTMC-120BDN (xxx=365 to 400 in step of 5)  
AExxxTMC-144BDNN (xxx=440 to 480 in step of 5)  
AExxxTMC-132BDNN (xxx=405 to 440 in step of 5)  
AExxxTMC-120BDNN (xxx=365 to 400 in step of 5)  
AExxxTMC-96BDNN (xxx=295 to 320 in step of 5)  
xxx stands for rated output power at STC

The corresponding BSTS power range as follows:

All electrical data is shown as relative to this test conditions:

front side irradiance 1000 W/m<sup>2</sup>, backside irradiance

135 W/m<sup>2</sup>, 25 °C, AM 1.5

### Framed:

AExxxTMC-144BDS (BSTC Power range: 490W to 530W in step of 5)  
AExxxTMC-132BDS (BSTC Power range: 450W to 485W in step of 5)  
AExxxTMC-120BDS (BSTC Power range: 405W to 440W in step of 5)  
AExxxTMC-144BDSN (BSTC Power range: 495W to 535W in step of 5)  
AExxxTMC-132BDSN (BSTC Power range: 455W to 490W in step of 5)  
AExxxTMC-120BDSN (BSTC Power range: 410W to 445W in step of 5)  
AExxxTMC-156BDSB (BSTC Power range: 540W to 570W in step of 5)  
AExxxTMC-144BDSB (BSTC Power range: 495W to 525W in step of 5)  
AExxxTMC-132BDSB (BSTC Power range: 450W to 480W in step of 5)  
AExxxTMC-120BDSB (BSTC Power range: 410W to 435W in step of 5)  
AExxxTMC-156BDSN (BSTC Power range: 545W to 575W in step of 5)  
AExxxTMC-156BDS (BSTC Power range: 540W to 570W in step of 5)

### Frameless:

AExxxTMC-144BDN (BSTC Power range: 490W to 530W in step of 5)  
AExxxTMC-132BDN (BSTC Power range: 450W to 485W in step of 5)  
AExxxTMC-120BDN (BSTC Power range: 405W to 440W in step of 5)  
AExxxTMC-144BDNN (BSTC Power range: 495W to 535W in step of 5)  
AExxxTMC-132BDNN (BSTC Power range: 455W to 490W in step of 5)  
AExxxTMC-120BDNN (BSTC Power range: 410W to 445W in step of 5)  
AExxxTMC-96BDNN (BSTC Power range: 325W to 350W in step of 5)



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## Parameters:

Construction:	Framed or Frameless, with Junction box, Cable and Connectors.
Safety Class:	Class II
Maximum System Voltage:	1500 V DC
Fire Safety Class:	Class A according to UL790
Test Laboratory:	Yangzhou Opto-Electrical Products Testing Institute. No. 10 West Kaifa Road, Yangzhou, 225009 Jiangsu, P. R. China.

## Tested according to:

IEC 61215-1:2016  
 IEC 61215-1-1:2016  
 IEC 61215-2:2016  
 IEC 61730-1:2016  
 IEC 61730-2:2016  
 EN 61215-1:2016  
 EN 61215-1-1:2016  
 EN 61215-2:2017  
 EN IEC 61730-1:2018  
 EN IEC 61730-1:2018/AC:2018-06  
 EN IEC 61730-2:2018  
 EN IEC 61730-2:2018/AC:2018-06