



Product Service

CERTIFICATE

No. Z2 126093 0003 Rev. 00

Holder of Certificate: **SOLAR FA Energy Technology CO., LTD.**
No. 948, Bifeng Rd., Bizhou Vil., Caotun Township
Nantou County
542009 Nantou
TAIWAN

Certification Mark:



Product: **Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**
Mono-crystalline Silicon Photovoltaic module

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, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 701262412702-00

Valid until: 2029-08-01

Date, 2024-10-31

(Zhulin Zhang)

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Model(s):

182 × 91(mm) N-Type cell modules:

a) 156 cells module:

SF-M7N78BHxxxTWG (xxx=615 to 645, in step of 5)

SF-M7N78BHxxxTBG (xxx=615 to 645, in step of 5)

b) 144 cells module:

SF-M7N72BHxxxTWG (xxx= 565 to 595, in step of 5)

SF-M7N72BHxxxTBG (xxx= 565 to 595, in step of 5)

c) 132 cells module:

SF-M7N66BHxxxTWG (xxx= 520 to 540, in step of 5)

SF-M7N66BHxxxTBG (xxx= 520 to 540, in step of 5)

d) 120 cells module:

SF-M7N60BHxxxTWG (xxx= 470 to 495, in step of 5)

SF-M7N60BHxxxTBG (xxx= 470 to 495, in step of 5)

e) 108 cells module:

SF-M7N54BHxxxTWG (xxx= 425 to 445, in step of 5)

SF-M7N54BHxxxTBG (xxx= 425 to 445, in step of 5)

f) 96 cells module:

SF-M7N48BHxxxTWG (xxx= 375 to 395, in step of 5)

SF-M7N48BHxxxTBG (xxx= 375 to 395, in step of 5)

xxx stands for rated output power at STC.

The corresponding BNPI power range as follows:

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

front side irradiance 1000 W/m², backside irradiance

135 W/m², 25 °C, AM 1.5

182 × 91(mm) N-Type cell modules:

a) 156 cells module:

SF-M7N78BHxxxTWG (Rated Output Power at
BNPI:682W,687W,693W,698W,704W,709W,715W)

SF-M7N78BHxxxTBG (Rated Output Power at
BNPI:682W,687W,693W,698W,704W,709W,715W)

b) 144 cells module:

SF-M7N72BHxxxTWG (Rated Output Power at
BNPI:627W,632W,637W,643W,648W,654W,658W)

SF-M7N72BHxxxTBG (Rated Output Power at
BNPI:627W,632W,637W,643W,648W,654W,658W)

c) 132 cells module:

SF-M7N66BHxxxTWG (Rated Output Power at
BNPI:576W,582W,588W,593W,598W)

SF-M7N66BHxxxTBG (Rated Output Power at
BNPI:576W,582W,588W,593W,598W)

d) 120 cells module:

SF-M7N60BHxxxTWG (Rated Output Power at
BNPI:521W,526W,532W,537W,543W,548W)

SF-M7N60BHxxxTBG (Rated Output Power at
BNPI:521W,526W,532W,537W,543W,548W)

e) 108 cells module:

SF-M7N54BHxxxTWG (Rated Output Power at
BNPI:476W,482W,488W,493W,499W)



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SF-M7N54BHxxxTBG (Rated Output Power at
BNPI:476W,482W,488W,493W,499W)

f) 96 cells module:

SF-M7N48BHxxxTWG (Rated Output Power at
BNPI:418W,424W,430W,435W,441W)

SF-M7N48BHxxxTBG (Rated Output Power at
BNPI:418W,424W,430W,435W,441W)

Parameters:

Safety Class:	Class II
Max. system voltage:	1500V DC
Fire Safety Class:	Class C according to UL790
Test Laboratory:	Changzhou HuaYang Inspection and Testing Technology Co., Ltd. NO.8 Lanxiang Road, Wujin Economic Development Zone, Changzhou, Jiangsu, China.
Construction:	Framed, with Junction box, cable and connector.

Tested according to:

IEC 61215-1:2021
IEC 61215-1-1:2021
IEC 61215-2:2021
IEC 61730-1:2023
IEC 61730-2:2023