



Product Service

# CERTIFICATE

No. Z2 110450 0007 Rev. 01

**Holder of Certificate:** **Anhui Huasun Energy Co., Ltd.**

No. 99, Qingliu Road  
Xuancheng Economic and Technological Development Zone  
Xuanzhou District  
242000 Xuancheng City, Anhui Province  
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.:** 704062122412-01

**Valid until:** 2027-07-03

**Date,** 2022-07-04

( Zhulin Zhang )

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## Model(s):

Framed: 166 cell modules:

HS-B144DSxxx (xxx=440 to 500 in step of 5)  
HS-B132DSxxx (xxx=405 to 455 in step of 5)  
HS-B120DSxxx (xxx=365 to 415 in step of 5)  
HS-B144DSNxxx (xxx=440 to 480 in step of 5)  
HS-B132DSNxxx (xxx=405 to 440 in step of 5)  
HS-B120DSNxxx (xxx=365 to 400 in step of 5)  
HS-B156DSBxxx (xxx=490 to 520 in step of 5)  
HS-B144DSBxxx (xxx=450 to 480 in step of 5)  
HS-B132DSBxxx (xxx=410 to 440 in step of 5)  
HS-B120DSBxxx (xxx=375 to 400 in step of 5)  
HS-B156DSNxxx (xxx=490 to 520 in step of 5)  
HS-B156DSxxx (xxx=490 to 520 in step of 5)

210 cell modules:

HS-210-B132DSxxx (xxx=670 to 700 in step of 5)  
HS-210-B120DSxxx (xxx=605 to 635 in step of 5)  
HS-210-B110DSxxx (xxx=555 to 580 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>, back-side irradiance 135 W/m<sup>2</sup>, 25 °C, AM 1.5

Framed: 166 cell modules:

HS-B144DSxxx (BSTC Power range: 490W to 550W in step of 5)  
HS-B132DSxxx (BSTC Power range: 450W to 500W in step of 5)  
HS-B120DSxxx (BSTC Power range: 405W to 455W in step of 5)  
HS-B144DSNxxx (BSTC Power range: 495W to 535W in step of 5)  
HS-B132DSNxxx (BSTC Power range: 455W to 490W in step of 5)  
HS-B120DSNxxx (BSTC Power range: 410W to 445W in step of 5)  
HS-B156DSBxxx (BSTC Power range: 540W to 570W in step of 5)  
HS-B144DSBxxx (BSTC Power range: 495W to 525W in step of 5)  
HS-B132DSBxxx (BSTC Power range: 450W to 480W in step of 5)  
HS-B120DSBxxx (BSTC Power range: 410W to 435W in step of 5)  
HS-B156DSNxxx (BSTC Power range: 545W to 575W in step of 5)  
HS-B156DSxxx (BSTC Power range: 540W to 570W in step of 5)

210 cell modules:

HS-210-B132DSxxx (BSTC Power range: 740 to 770 in step of 5)  
HS-210-B120DSxxx (BSTC Power range: 670 to 700 in step of 5)  
HS-210-B110DSxxx (BSTC Power range: 615 to 640 in step of 5)

## Parameters:

Fire Safety Class: Class A according to UL790  
Safety Class: Class II  
Max. system voltage: 1500V DC  
Construction: Framed with Junction box, cable and connector.  
Test condition:  
Dust/sand type: 95% Si O<sub>2</sub>  
Dust /sand concentration: 5 g/m<sup>3</sup>  
Testing air velocity: 20m/s  
Test duration: 4h/each side  
Remark: Dust and sand test method: IEC 60068-2-68, LC1

## 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 59022B:2021