



Product Service

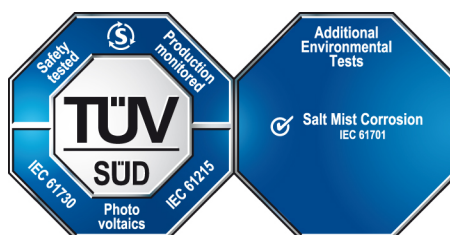
# CERTIFICATE

No. Z2 110450 0005 Rev. 03

**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.:** 704062122410-03

**Valid until:** 2028-09-20

**Date,** 2023-09-21

( Zhulin Zhang )

# CERTIFICATE

No. Z2 110450 0005 Rev. 03

## 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)  
 HS-B96DSxxx (xxx=295 to 320 in step of 5)  
 HS-B96DSNxxx (xxx=295 to 320 in step of 5)

210 cell modules:

HS-210-B132DSxxx (xxx=640 to 720 in step of 5)  
 HS-210-B120DSxxx (xxx=590 to 650 in step of 5)  
 HS-210-B110DSxxx (xxx=540 to 590 in step of 5)

182 cell modules:

HS-182-B144DSxxx (xxx=550 to 600 in step of 5)  
 HS-182-B108DSxxx (xxx=410 to 450 in step of 5)  
 HS-182-B108DSNxxx (xxx=420 to 440 in step of 5)  
 HS-182-B108DSBxxx (xxx=420 to 440 in step of 5)  
 HS-182-S108DSBxxx (xxx=425 to 445 in step of 5)  
 xxx stands for rated output power at STC

The corresponding BSTC 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)  
 HS-B96DSxxx (BSTC Power range: 325W to 350W in step of 5)  
 HS-B96DSNxxx (BSTC Power range: 330W to 355W in step of 5)

210 cell modules:

HS-210-B132DSxxx (BSTC Power range: 710 to 790 in step of 5)  
 HS-210-B120DSxxx (BSTC Power range: 655 to 715 in step of 5)  
 HS-210-B110DSxxx (BSTC Power range: 600 to 650 in step of 5)

182 cell modules:

HS-182-B144DSxxx (BSTC Power range: 610 to 660 in step of 5)  
 HS-182-B108DSxxx (BSTC Power range: 455 to 495 in step of 5)  
 HS-182-B108DSNxxx (BSTC Power range: 470 to 490 in step of 5)  
 HS-182-B108DSBxxx (BSTC Power range: 465 to 485 in step of 5)



# CERTIFICATE

No. Z2 110450 0005 Rev. 03

## Parameters:

Fire Safety Class:	Class C according to UL790
Safety Class:	Class II
Max. system voltage:	1500V DC
Construction:	Framed with Junction box, cable and connector.
Test method of salt mist test:	Test method 6

## Tested according to:

IEC 61215-1:2016  
 IEC 61215-1-1:2016  
 IEC 61215-2:2016  
 IEC 61730-1:2016  
 IEC 61730-2:2016  
 IEC 61701:2020