



Product Service

# CERTIFICATE

No. Z2 119897 0015 Rev. 00

**Holder of Certificate:** **Hanersun Energy Co., Ltd.**

10F, B4 Block, No.19 Suyuan Avenue  
Jiangning District  
211100 Nanjing  
PEOPLE'S REPUBLIC OF CHINA

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

**Test report no.:** 704062424514-00

**Valid until:** 2029-12-05

**Date,** 2024-12-09

( Zhulin Zhang )

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## Model(s):

HN21N-66HxxxW & HN21N-66HBxxxW, xxx=680-715 in steps of 5  
HN21N-60HxxxW & HN21N-60HBxxxW, xxx=615-650 in steps of 5  
HN21RN-66HxxxW & HN21RN-66HBxxxW, xxx=600-630 in steps of 5  
HN21RN-48HxxxW & HN21RN-48HBxxxW, xxx=430-455 in steps of 5  
HN19RN-72HxxxW & HN19RN-72HBxxxW, xxx=600-630 in steps of 5  
HN19RN-60HxxxW & HN19RN-60HBxxxW, xxx=500-525 in steps of 5  
HN18N-78HxxxW & HN18N-78HBxxxW, xxx=615-650 in steps of 5  
HN18N-72HxxxW & HN18N-72HBxxxW, xxx=570-600 in steps of 5  
HN18N-66HxxxW & HN18N-66HBxxxW, xxx=520-550 in steps of 5  
HN18N-60HxxxW & HN18N-60HBxxxW, xxx=475-500 in steps of 5  
HN18N-54HxxxW & HN18N-54HBxxxW, xxx=425-450 in steps of 5  
HN18N-32HxxxW & HN18N-32HBxxxW, xxx=250-265 in steps of 5  
HN18N-16HxxxW & HN18N-16HBxxxW, xxx=125-130 in steps of 5  
HN18RN-72HxxxW & HN18RN-72HBxxxW, xxx=580-615 in steps of 5  
HN18RN-54HxxxW & HN18RN-54HBxxxW, xxx=430-460 in steps of 5  
xxx is standing for rated output power at STC

## Parameters:

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

## Tested according to:

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