ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

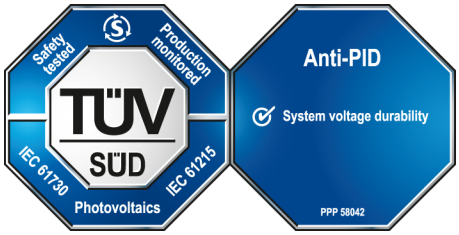
Product Service

C E R T I F I C A T E

No. Z2 103237 0009 Rev. 04

Holder of Certificate: **Hanersun Technology 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 and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 704062122702-04

Valid until: 2028-07-02

Date, 2023-07-05

(Zhulin Zhang)

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

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Model(s):

HN21-66HTXXXW, xxx=635-670 in step of 5
HN21-60HTXXXW, xxx=580-610 in step of 5
HN21N-66HTXXXW, xxx=670-695 in step of 5
HN21N-60HTXXXW, xxx=610-630 in step of 5
HN18-72HTXXXW, xxx=525-555 in step of 5
HN18-66HTXXXW, xxx=485-510 in step of 5
HN18-60HTXXXW, xxx=440-460 in step of 5
HN18-54HTXXXW, xxx=390-415 in step of 5
HN18N-72HTXXXW, xxx=555-585 in step of 5
HN18N-66HTXXXW, xxx=510-535 in step of 5
HN18N-60HTXXXW, xxx=460-490 in step of 5
HN18N-54HTxxxW, xxx=415-440 in step of 5
HN17-72HTXXXW, xxx=425-460 in step of 5
HN17-60HTXXXW, xxx=355-385 in step of 5
xxx is standing for rated output power at STC

Parameters:

Construction:	Framed, with Junction box, Cable and Connectors.
Safety Class:	Class II
Maximum System Voltage:	1500 V DC
Fire Safety Class:	Class C according to UL790
PID test condition:	-1500 V DC, 85 °C, 85 % RH, 96 Hours
Remark:	PID testing method is according to IEC TS 62804-1:2015

Tested according to:

PPP 58042B:2015
IEC 61215-1:2016
IEC 61215-1-1:2016
IEC 61215-2:2016
IEC 61730-1:2016
IEC 61730-2:2016

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