



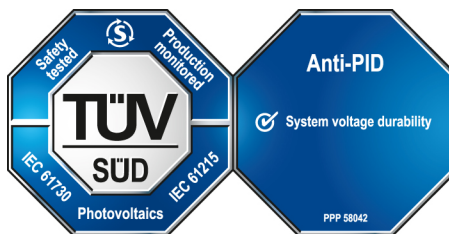
Product Service

CERTIFICATE

No. Z2 073925 0108 Rev. 02

Holder of Certificate: **Chinaland Solar Energy Co., Ltd.**
No.7 Linquan East Road, Feidong Economic Development Zone
231600 Hefei, Anhui Province
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: **Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**
[Mono crystalline Silicon Photovoltaic (PV) Module(s)]

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.: 64290213066603

Valid until: 2028-09-13

Date, 2023-09-14

(Billy Qiu)



CERTIFICATE

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Model(s):

- a) 144 cells: SUNxxx-72MD-H8S (xxx=525-560, in steps of 5);
 - b) 132 cells: SUNxxx-66MD-H8S (xxx=480-515, in steps of 5);
 - c) 120 cells: SUNxxx-60MD-H8S (xxx=440-465, in steps of 5);
 - d) 108 cells: SUNxxx-54MD-H8S (xxx=390-420, in steps of 5);
 - e) 132 cells: SUNxxx-66MD-H12S (xxx=640-675, in steps of 5);
 - f) 120 cells: SUNxxx-60MD-H12S (xxx=580-615, in steps of 5);
 - g) 108 cells: SUNxxx-54MD-H12S (xxx=520-550, in steps of 5);
 - h) 144 cells: SUNxxx-72MD-H8NS (xxx=555-585, in steps of 5);
 - i) 132 cells: SUNxxx-66MD-H8NS (xxx=510-535, in steps of 5);
 - j) 120 cells: SUNxxx-60MD-H8NS (xxx=460-485, in steps of 5);
 - k) 108 cells: SUNxxx-54MD-H8NS (xxx=415-440, in steps of 5).
- xxx stands for rated output power at STC.

SUNxxx-xxMD-H8S, SUNxxx-xxMD-H12S and SUNxxx-xxMD-H8NS series are bifacial modules. The "rated output power at STC" is generated only by front side.

Parameters:

Construction:	Framed, with Junction box, Cable and Connectors
Protection class:	Class II
Max. system voltage:	1500 V d.c.
Fire safety class:	Class A according to UL 790
PID test condition:	± 1500 V d.c., 96 h, 85 % RH, 85 °C

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 58042B:2015