



Product Service

# CERTIFICATE

No. Z2 132046 0001 Rev. 00

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

6th Floor, Building 2c  
China Speech Walley Intelligent Industrial Park  
Hi-Tech District  
230000 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, 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.:** 64290203011315A

**Valid until:** 2030-04-24

**Date,** 2025-05-19

( Billy Qiu )

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## Model(s):

SUNxxx-72MD-H6S (xxx=420-455, in steps of 5);  
SUNxxx-66MD-H6S (xxx=395-415, in steps of 5);  
SUNxxx-60MD-H6S (xxx=350-380, in steps of 5);  
SUNxxx-78MD-HFS (xxx=430-445, in steps of 5);  
SUNxxx-72MD-HFS (xxx=400-415, in steps of 5);  
SUNxxx-60MD-HFS (xxx=330-345, in steps of 5).  
SUNxxx-72MD-H8S (xxx=525-560, in steps of 5);  
SUNxxx-66MD-H8S (xxx=480-515, in steps of 5);  
SUNxxx-60MD-H8S (xxx=440-465, in steps of 5);  
SUNxxx-54MD-H8S (xxx=390-420, in steps of 5);  
SUNxxx-78MD-H8NS (xxx=620-655, in steps of 5);  
SUNxxx-72MD-H8NS (xxx=555-605, in steps of 5);  
SUNxxx-66MD-H8NS (xxx=510-555, in steps of 5);  
SUNxxx-60MD-H8NS (xxx=460-500, in steps of 5);  
SUNxxx-54MD-H8NS (xxx=415-450, in steps of 5).  
SUNxxx-66MD-H12S (xxx=640-675, in steps of 5);  
SUNxxx-60MD-H12S (xxx=580-615, in steps of 5);  
SUNxxx-54MD-H12S (xxx=520-550, in steps of 5);  
SUNxxx-66MD-H12JS (xxx=670-700, in steps of 5);  
SUNxxx-60MD-H12JS (xxx=610-635, in steps of 5);  
SUNxxx-54MD-H12JS (xxx=545-570, in steps of 5);  
SUNxxx-66MD-H12RS (xxx=595-630, in steps of 5);  
SUNxxx-60MD-H12RS (xxx=545-570, in steps of 5);  
SUNxxx-54MD-H12RS (xxx=490-515, in steps of 5);  
SUNxxx-48MD-H12RS (xxx=435-455, in steps of 5);  
SUNxxx-72MD-H9RS (xxx=600-635, in steps of 5);  
SUNxxx-66MD-H9RS (xxx=550-580, in steps of 5);  
SUNxxx-60MD-H9RS (xxx=500-525, in steps of 5);  
SUNxxx-54MD-H9RS (xxx=450-475, in steps of 5);  
SUNxxx-66MD-H12NS (xxx=690-730, in steps of 5);  
SUNxxx-60MD-H12NS (xxx=630-660, in steps of 5);  
SUNxxx-54MD-H12NS (xxx=565-595, in steps of 5);

xxx stands for rated output power at STC.

## Parameters:

Protection class:	Class II
Max. system voltage:	1500 V d.c.
Fire safety class:	Class A according to UL 790
Construction:	Framed, with Junction box, Cable and Connectors

## Tested according to:

IEC 61215-1:2016  
IEC 61215-1-1:2016  
IEC 61215-2:2016  
IEC 61730-1:2016  
EN IEC 61730-1:2018  
IEC 61730-2:2016  
EN IEC 61730-2:2018