



Product Service

# CERTIFICATE

No. Z2 086674 0010 Rev. 04

**Holder of Certificate:** **Shanghai Aerospace Automobile Electromechanical Co., Ltd.**  
222 Caoxi Rd, the 8th Floor of Spaceflight Building  
200235 Shanghai  
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](http://www.tuvsud.com/ps-cert)

**Test report no.:** 704062003509-04

**Valid until:** 2028-01-12

**Date,** 2023-01-13

( David Bo )

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## Model(s):

HT72-156M(PD)-xxx, HT72-156M(PD)-F-xxx (xxx=375-390, in step of 5);  
 HT60-156M(PD)-xxx, HT60-156M(PD)-F-xxx (xxx=310-325, in step of 5);  
 HT48-156M(PD)-xxx, HT48-156M(PD)-F-xxx (xxx=250-260, in step of 5);  
 HT72-156M(PD)-B-xxx, HT72-156M(PD)-BF-xxx (xxx=365-390, in step of 5);  
 HT60-156M(PD)-B-xxx, HT60-156M(PD)-BF-xxx (xxx=300-325, in step of 5);  
 HT48-156M(PD)-B-xxx, HT48-156M(PD)-BF-xxx (xxx=240-260, in step of 5);  
 HT72-156M(PD)-MCB-xxx, HT72-156M(PD)-MCBF-xxx  
 (xxx=390-410, in step of 5);  
 HT60-156M(PD)-MCB-xxx, HT60-156M(PD)-MCBF-xxx  
 (xxx=325-340, in step of 5);  
 HT72-166M(PD)-xxx, HT72-166M(PD)-F-xxx (xxx=430-470, in step of 5);  
 HT60-166M(PD)-xxx, HT60-166M(PD)-F-xxx (xxx=360-390, in step of 5);  
 HT48-166M(PD)-xxx, HT48-166M(PD)-F-xxx (xxx=290-310, in step of 5);  
 HT44-166M(PD)-xxx, HT44-166M(PD)-F-xxx (xxx=265-285, in step of 5);  
 HT40-166M(PD)-xxx, HT40-166M(PD)-F-xxx (xxx=240-260, in step of 5);  
 HT36-166M(PD)-xxx, HT36-166M(PD)-F-xxx (xxx=215-230, in step of 5);  
 HT32-166M(PD)-xxx, HT32-166M(PD)-F-xxx (xxx=195-205, in step of 5);  
 HT72-158M(ND)-F-430, HT72-158M(ND)-430;  
 HT60-158M(ND)-F-355, HT60-158M(ND)-355;  
 HT78-18X(PD)-xxx, HT78-18X(PD)-F-xxx (xxx=570-610, in step of 5);  
 HT72-18X(PD)-xxx, HT72-18X(PD)-F-xxx (xxx=530-560, in step of 5);  
 HT66-18X(PD)-xxx, HT66-18X(PD)-F-xxx (xxx=485-515, in step of 5);  
 HT60-18X(PD)-xxx, HT60-18X(PD)-F-xxx (xxx=440-465, in step of 5);  
 HT54-18X(PD)-xxx, HT54-18X(PD)-F-xxx (xxx=395-420, in step of 5);  
 HT48-18X(PD)-xxx, HT48-18X(PD)-F-xxx (xxx=350-375, in step of 5);  
 HT40-18X(PD)-xxx, HT40-18X(PD)-F-xxx (xxx=295-310, in step of 5);  
 HT36-18X(PD)-xxx, HT36-18X(PD)-F-xxx (xxx=265-280, in step of 5);  
 HT32-18X(PD)-xxx, HT32-18X(PD)-F-xxx (xxx=235-250, in step of 5);  
 HT72-18X(ND)-xxx, HT72-18X(ND)-F-xxx (xxx=550-585, in step of 5);  
 HT66-18X(ND)-xxx, HT66-18X(ND)-F-xxx (xxx=505-535, in step of 5);  
 HT60-18X(ND)-xxx, HT60-18X(ND)-F-xxx (xxx=460-485, in step of 5);  
 HT54-18X(ND)-xxx, HT54-18X(ND)-F-xxx (xxx=415-435, in step of 5);  
 HT48-18X(ND)-xxx, HT48-18X(ND)-F-xxx (xxx=370-390, in step of 5);  
 HT40-18X(ND)-xxx, HT40-18X(ND)-F-xxx (xxx=310-325, in step of 5);  
 HT36-18X(ND)-xxx, HT36-18X(ND)-F-xxx (xxx=275-290, in step of 5);  
 HT32-18X(ND)-xxx, HT32-18X(ND)-F-xxx (xxx=245-260, in step of 5);  
 HT66-210(PD)-F-xxx (xxx=640-670, in step of 5);  
 HT60-210(PD)-F-xxx (xxx=585-605, in step of 5);  
 HT32-210(PD)-F-xxx (xxx=310-320, in step of 5).  
 xxx is standing for rated output power at STC.

## Parameters:

Safety Class:	Class II
Max. System Voltage:	1500V DC
Test Laboratory:	Changzhou HuaYang Inspection and Testing Technology Co., Ltd. No.8 Lanxiang Road, Wujin Economic Development Zone, Changzhou, Jiangsu, China.
Construction:	Framed and frameless, with Junction box, cable and connector.
Fire Safety Class:	Class A according to UL790.

## Tested according to:

IEC 61215-1:2016  
 EN 61215-1:2016  
 IEC 61215-1-1:2016  
 EN 61215-1-1:2016  
 IEC 61215-2:2016  
 EN 61215-2:2017  
 IEC 61730-1:2016  
 EN IEC 61730-1:2018  
 EN IEC 61730-1:2018/AC:2018-06  
 IEC 61730-2:2016  
 EN IEC 61730-2:2018  
 EN IEC 61730-2:2018/AC:2018-06