



Product Service

# CERTIFICATE

No. Z2 113943 0005 Rev. 00

**Holder of Certificate:** **HSA ENERJI A.S.**  
OSB III. Kisim Keciliköy OSB Mah.  
Mustafa Kemal Bulvari No:15  
45030 Yunusemre - Manisa  
TÜRKIYE

**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.:** 704062369103-00

**Valid until:** 2029-01-11

**Date,** 2024-01-12

( Zhulin Zhang )



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## Model(s):

HSA72M10GGNS-xxxW, xxx = 560 to 590 in steps of 5  
 HSA66M10GGNS-xxxW, xxx = 515 to 540 in steps of 5  
 HSA60M10GGNS-xxxW, xxx = 470 to 490 in steps of 5  
 HSA54M10GGNS-xxxW, xxx = 420 to 440 in steps of 5  
 xxx is standing for rated output power at STC

## Parameters:

Construction:	Framed, with Junction box, Cable and Connectors.
Test Laboratory:	Changzhou HuaYang Inspection and Testing Technology Co., Ltd. No.8 Lanxiang Road Wujin Economic Development Zone Changzhou, Jiangsu, 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  
 EN IEC 61215-1:2021/AC:2021  
 IEC 61215-1-1:2021  
 EN IEC 61215-1-1:2021  
 IEC 61215-2:2021  
 EN IEC 61215-2:2021  
 IEC 61730-1:2023  
 IEC 61730-2:2023