

CERTIFICATE

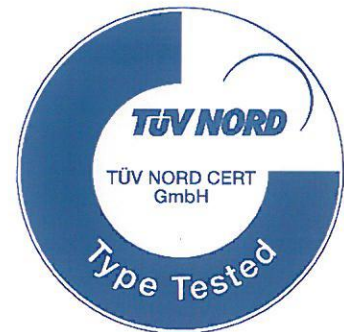
TÜV NORD CERT GmbH
herewith declares that

VILLARREAL DIVISIÓN EQUIPOS S.A. DE C.V.
Morelos 905 Sur
Col. Centro Allende N.L.,
México C.P. 67350

is authorized to provide the product mentioned below with the mark as illustrated:

Description of product (details see Annex 2):

PV Modules with Half-cut Mono-crystalline Silicon Solar Cells



Valid from: 2021-05-10

Valid until: 2026-04-13

Tested according to: IEC / EN 61215-1:2016;
IEC / EN 61215-1-1:2016;
IEC 61215-2:2016 / EN 61215-2:2017 + AC:2017 + AC:2018;
IEC 61730-1:2016 / EN IEC 61730-1:2018 + AC:2018;
IEC 61730-2:2016 / EN IEC 61730-2:2018 + AC:2018.

Registered No.: 44 780 21 406749 - 075
Manufacturer: see Annex 1
Test Report No.: 492011669.001
File No.: PVP04024/21P



TÜV NORD CERT GmbH
Certification Body
Consumer Products



Essen, 2021-05-10

Please also pay attention to the information stated overleaf.

Description of product(s):

| | |
|------------------------------------|--|
| Module types: | PV Modules with Half-cut Mono-crystalline Silicon Solar Cells 144 cells: ASTRALXxxx-MH144 (xxx=525-545, in increment of 5) 144 cells: ASTRALXxxx-MH144 (xxx=430-460, in increment of 5) 132 cells: ASTRALXxxx-MH132 (xxx=480-500, in increment of 5) 132 cells: ASTRALXxxx-MH132 (xxx=395-420, in increment of 5) 120 cells: ASTRALXxxx-MH120 (xxx=440-455, in increment of 5) 120 cells: ASTRALXxxx-MH120 (xxx=360-380, in increment of 5) 108 cells: ASTRALXxxx-MH108 (xxx=395-405, in increment of 5) |
| Maximum system voltage: | 1500V |
| Fuse rating: | 20A |
| Electrical protection class: | Class II |
| Pollution degree: | 1 |
| Material group: | I |
| Design load (positive / negative): | 1600Pa / 1600Pa or 3600Pa / 1600Pa, refer CDF for details |
| Safety factors: | 1.5 |
| Fire safety class: | Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018) |

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 1 of test report.



TÜV NORD CERT GmbH
Certification Body
Consumer Products

Certificate of conformity with the following European Directives

Registered No.:
44 799 21 406749 - 047

Low-Voltage Directive 2014/35/EU

| Date of application | File reference | Test report No. | Date of issue | Place of issue |
|---------------------|----------------|-----------------|---------------|----------------|
| 2020-11-01 | PVP04024/21P | 492011669.001 | 2021-05-10 | Essen |

This is to certify that the following products comply to the essential requirements of the above mentioned European Directive and the following standards, taking into account the German national deviations:

Product: Crystalline Silicon Terrestrial Photovoltaic (PV) Modules

Type designation: See Annex 1

Applicant: **VILLARREAL DIVISIÓN EQUIPOS S.A. DE C.V.**
Morelos 905 Sur, Col. Centro Allende N.L.,
México C.P. 67350

Standard(s): EN IEC 61730-1:2018; EN IEC 61730-1:2018/AC:2018-06
EN IEC 61730-2:2018; EN IEC 61730-2:2018/AC:2018-06

This Certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD CERT GmbH. The holder of this certificate may use this Certificate together with his EC-Declaration of Conformity.



Certification Body
Specialist Manager Consumer Products

TÜV NORD CERT GmbH
Langemarckstrasse 20
D-45141 Essen
P.O.Box 10 32 61
D-45032 Essen
Fon: +49 (0)201 825-5120
Fax: +49 (0)201 825-3209
Email: prodcert@tuev-nord.de

Description of product(s):

Module types:

PV Modules with Half-cut Mono-crystalline Silicon Solar Cells:

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