

# CERTIFICATE

Issued to:  
Applicant:  
**Villarreal Division Equipos S.A.de C.V.**  
**Morelos #905 Sur C.P.**  
**67350 Allende N.L., Mexico**

Product : Photovoltaic (PV) Module(s)  
Trade name(s) : CONNERA  
Type(s)/model(s) : PV Module with mono c-Si cells and PV Module with poly c-Si cells

The product and any acceptable variation thereto as specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- an evaluation according to the standard(s) IEC 61215-1:2016, IEC 61215-1-1:2016, IEC 61215-2:2016, IEC 61730-1:2016 and IEC 61730-2:2016
- a periodic surveillance
- a DEKRA certification agreement with the number 6059484
- the licensee is registered with the number 43796

DEKRA hereby grants the right to use the DEKRA Seal certification mark.

DEKRA hereby grants the right to use the DEKRA Seal certification mark with the following content:

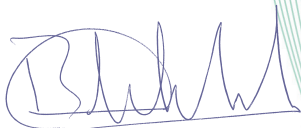
Category : Photovoltaic  
Keyword : Module Tested  
Keyword : Periodic Factory Inspection

The DEKRA Seal certification mark may be applied to the product or documentation as specified in this certificate for the duration and under the conditions of the DEKRA Seal certification agreement.

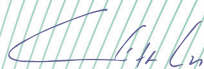
This certificate is issued on 23 January 2024 and expires at the latest on 3 January 2029.

Certificate number: 31-134745

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



C. Lin  
Certification Manager

© Integral publication of this certificate is allowed



31-134745

**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

Product	: Photovoltaic (PV) Module(s)
Trade name(s)	: CONNERA
Type(s)/model(s)	: CONNERA-xxx-CS36M, CONNERA-xxx-CS36P, CONNERA-xxx-CS60M, CONNERA-xxx-CS60P, CONNERA-xxx-CS72M, CONNERA-xxx-CS72P, CONNERA-xxx-HC54BK, CONNERA-xxx-HC54M, CONNERA-xxx-HC60M, CONNERA-xxx-HC66M, CONNERA-xxx-HC72BK, CONNERA-xxx-HC72M, CONNERA-xxx-HCB72M, CONNERA-xxx-HCB78 and CONNERA-xxxM
Protection Class	: Class II
Pollution Degree	: 1
Fire Rating	: Class C according to UL790
Maximum system voltage	: 1500V

**Product data – type CONNERA-xxx-CS36M**

Design	: PV module with mono c-Si cells
Description	: xxx=30-40, 50, 70-80, 100, 120, 150-205, in steps of 5, 36 cells

**Product data – type CONNERA-xxx-CS36P**

Design	: PV module with poly c-Si cells
Description	: xxx=70-80, 100, 155-175, in steps of 5, 36 cells

**Product data – type CONNERA-xxx-CS60M**

Design	: PV module with mono c-Si cells
Description	: xxx=305-350, in steps of 5, 60 cells

**Product data – type CONNERA-xxx-CS60P**

Design	: PV module with poly c-Si cells
Description	: xxx=260-295, in steps of 5, 60 cells

**Product data – type CONNERA-xxx-CS72M**

Design	: PV module with mono c-Si cells
Description	: xxx=190-220, 370-415, in steps of 5, 72 cells

**Product data – type CONNERA-xxx-CS72P**

Design	: PV module with poly c-Si cells
Description	: xxx=200-210, 310-355, in steps of 5, 72 cells

**Product data – type CONNERA-xxx-HC54BK**

Design	: PV module with mono c-Si cells
Description	: xxx=415-435, in steps of 5, 108 cells

**Product data – type CONNERA-xxx-HC54M**

Design	: PV module with mono c-Si cells
Description	: xxx=395-435, in steps of 5, 108 cells

**Product data – type CONNERA-xxx-HC60M**

Design : PV module with mono c-Si cells  
Description : xxx=320-350, 435-460, in steps of 5, 120 cells

**Product data – type CONNERA-xxx-HC66M**

Design : PV module with mono c-Si cells  
Description : xxx=490-510W, in steps of 5, 132 cells

**Product data – type CONNERA-xxx-HC72BK**

Design : PV module with mono c-Si cells  
Description : xxx=560-590, in steps of 5, 144 cells

**Product data – type CONNERA-xxx-HC72M**

Design : PV module with mono c-Si cells  
Description : xxx=385-420, 560-590, in steps of 5, 144 cells

**Product data – type CONNERA-xxx-HCB72M**

Design : PV module with mono c-Si cells  
Description : xxx=560-590, in steps of 5, 144 cells

**Product data – type CONNERA-xxx-HCB78**

Design : PV module with mono c-Si cells  
Description : xxx=610-635, in steps of 5, 156 cells

**Product data – type CONNERA-xxxM**

Design : PV module with mono c-Si cells  
Description : xxx=430-460, 520-550, in steps of 5, 144 cells

**TESTS****Test requirements**

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

**Test result**

The test results are laid down in DEKRA test file 616439400.

**Additional information**


The list of components is laid down in test report 6164394A.52A; 6164394A.52B.

**Conclusion**

The examination proved that all requirements were met.

**Factory location**

The factory location is registered with the number 43796.

Trade name(s): CONNERA stands for 

Unique Identifier

