

# CERTIFICATE

Issued to:  
Applicant:  
XinYu LDK Power Supply Technology Co., Ltd.  
No. 1950 SaiWei Avenue, High-Tech, Industrial  
Development Zone  
338000 Xinyu City Jiangxi, China

Licensee:  
XinYu LDK Power Supply Technology Co., Ltd.  
No. 1950 SaiWei Avenue, High-Tech, Industrial  
Development Zone  
338000 Xinyu City Jiangxi, China

Product : Crystalline Silicon PV Modules  
Trade name(s) : LDK  
Type(s)/model(s) : PV module with mono/poly c-Si cells

The product and any acceptable variation thereto is 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:

- a type test according to the standard(s) 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, IEC 61730-2:2016, EN IEC 61730-2:2018 and EN IEC 61730-2:2018/AC:2018
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 6060203

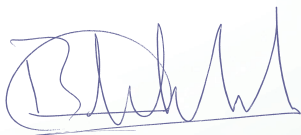
DEKRA hereby grants the right to use the DEKRA Seal certification mark.

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

This certificate is issued on 10 August 2022 and expires at the latest on 28 March 2024.

Certificate number: 31-120603 REV.2

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



C. Lin  
Certification Manager

© Integral publication of this certificate is allowed

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

Product	: Crystalline Silicon PV Modules
Trade name(s)	: LDK
Type(s)/model(s)	: AP120-xxx, AP120H-xxx, AP144-xxx, AP144H-xxx, AP60-xxx, AP60H-xxx, AP72-xxx, AP72H-xxx, BM120-xxx, BM120H-xxx, BM120HBG-xxx, BM144-xxx, BM144H-xxx, BM144HBG-xxx, BM60-xxx, BM60H-xxx, BM72-xxx, BM72H-xxx, CM120-xxx, CM120H-xxx, CM120HBG-xxx, CM144-xxx, CM144H-xxx, CM144HBG-xxx, DM108-xxx, DM108BF--xxx, DM108H-xxx, DM108HBF-xxx, DM120-xxx, DM120H-xxx, DM120HBG-xxx, DM144-xxx, DM144H-xxx, DM144HBG-xxx, EM120-xxx, EM120H-xxx, EM120HBG-xxx, EM132-xxx, EM132H-xxx and EM132HBG-xxx
Protection Class	: Class II
Pollution Degree	: 1

**Product data – type AP120H-xxx**

Maximum system voltage	: 1500V
Description	: xxx=265-300, in steps of 5, 120 cells
Design	: With Poly c-Si cell type; backsheet type
Fire Rating	: Class C according to UL790

**Product data – type AP120-xxx**

Maximum system voltage	: 1000V
Description	: xxx=265-300, in steps of 5, 120 cells
Design	: With Poly c-Si cell; backsheet type
Fire Rating	: Class C according to UL790

**Product data – type AP144H-xxx**

Maximum system voltage	: 1500V
Description	: xxx=320-360, in steps of 5, 144 cells
Design	: With Poly c-Si cell type; backsheet type
Fire Rating	: Class C according to UL790

**Product data – type AP144-xxx**

Maximum system voltage	: 1000V
Description	: xxx=320-360, in steps of 5, 144 cells
Design	: With Poly c-Si; backsheet type
Fire Rating	: Class C according to UL790

**Product data – type AP60H-xxx**

Maximum system voltage	: 1500V
Description	: xxx=260-295, in steps of 5, 60 cells
Design	: With Poly c-Si cell type; backsheet type
Fire Rating	: Class C according to UL790

**Product data – type AP60-xxx**

Maximum system voltage	: 1000V
Description	: xxx=260-295, in steps of 5, 60 cells
Design	: With Poly c-Si cell; backsheet type



Fire Rating : Class C according to UL790

**Product data – type AP72H-xxx**

Maximum system voltage : 1500V  
Description : xxx=315-355, in steps of 5, 72 cells  
Design : With Poly c-Si cell type; backsheet type  
Fire Rating : Class C according to UL790

**Product data – type AP72-xxx**

Maximum system voltage : 1000V  
Description : xxx=315-355, in steps of 5, 72 cells  
Design : With Poly c-Si cell; backsheet type  
Fire Rating : Class C according to UL790

**Product data – type BM120HBG-xxx**

Maximum system voltage : 1500V  
Description : xxx=325-340, in steps of 5, 120 cells  
Design : With Mono c-Si cell; double glass type  
Fire Rating : Class B according to UL790

**Product data – type BM120H-xxx**

Maximum system voltage : 1500V  
Description : xxx=315-350, in steps of 5, 120 cells  
Design : With Mono c-Si cell type; backsheet type  
Fire Rating : Class C according to UL790

**Product data – type BM120-xxx**

Maximum system voltage : 1000V  
Description : xxx=315-350, in steps of 5, 120 cells  
Design : With Mono c-Si cell type; backsheet type  
Fire Rating : Class C according to UL790

**Product data – type BM144HBG-xxx**

Maximum system voltage : 1500V  
Description : xxx=385-410, in steps of 5, 144 cells  
Design : With Mono c-Si cell type; double glass type  
Fire Rating : Class B according to UL790

**Product data – type BM144H-xxx**

Maximum system voltage : 1500V  
Description : xxx=380-420, in steps of 5, 144 cells  
Design : With Mono c-Si cell type; backsheet type  
Fire Rating : Class C according to UL790

**Product data – type BM144-xxx**

Maximum system voltage : 1000V  
Description : xxx=380-420, in steps of 5, 144 cells  
Design : With Mono c-Si cell type; backsheet type  
Fire Rating : Class C according to UL790

**Product data – type BM60H-xxx**

Maximum system voltage	: 1500V
Description	: xxx=305-340, in steps of 5, 60 cells
Design	: With Mono c-Si cell type; backsheet type
Fire Rating	: Class C according to UL790

**Product data – type BM60-xxx**

Maximum system voltage	: 1000V
Description	: xxx=305-340, in steps of 5, 60 cells
Design	: With Mono c-Si cell; backsheet type
Fire Rating	: Class C according to UL790

**Product data – type BM72H-xxx**

Maximum system voltage	: 1500V
Description	: xxx=370-405, in steps of 5, 72 cells
Design	: With Mono c-Si cell type; backsheet type
Fire Rating	: Class C according to UL790

**Product data – type BM72-xxx**

Maximum system voltage	: 1000V
Description	: xxx=370-405, in steps of 5, 72 cells
Design	: With Mono c-Si cell; backsheet type
Fire Rating	: Class C according to UL790

**Product data – type CM120HBG-xxx**

Maximum system voltage	: 1500V
Description	: xxx=370-380, in steps of 5, 120 cells
Design	: With Mono c-Si cell; double glass type
Fire Rating	: Class B according to UL790

**Product data – type CM120H-xxx**

Maximum system voltage	: 1500V
Description	: xxx=350-400, in steps of 5, 120 cells
Design	: With Mono c-Si cell type; backsheet type
Fire Rating	: Class C according to UL790

**Product data – type CM120-xxx**

Maximum system voltage	: 1000V
Description	: xxx=350-400, in steps of 5, 120 cells
Design	: With Mono c-Si cell type; backsheet type
Fire Rating	: Class C according to UL790

**Product data – type CM144HBG-xxx**

Maximum system voltage	: 1500V
Description	: xxx=440-460, in steps of 5, 144 cells
Design	: With Mono c-Si cell type; double glass type
Fire Rating	: Class B according to UL790

**Product data – type CM144H-xxx**

Maximum system voltage : 1500V  
Description : xxx=425-480, in steps of 5, 144 cells  
Design : With Mono c-Si cell type; backsheet type  
Fire Rating : Class C according to UL790

**Product data – type CM144-xxx**

Maximum system voltage : 1000V  
Description : xxx=425-480, in steps of 5, 144 cells  
Design : With Mono c-Si cell type; backsheet type  
Fire Rating : Class C according to UL790

**Product data – type DM108BF-xxx**

Maximum system voltage : 1000V  
Description : xxx=390-425W, in steps of 5, 108 cells  
Design : With Mono c-Si cell; backsheet type  
Fire Rating : Class C according to UL790

**Product data – type DM108HBF-xxx**

Maximum system voltage : 1500V  
Description : xxx=390-425W, in steps of 5, 108 cells  
Design : With Mono c-Si cell; backsheet type  
Fire Rating : Class C according to UL790

**Product data – type DM108H-xxx**

Maximum system voltage : 1500V  
Description : xxx=390-425W, in steps of 5, 108 cells  
Design : With Mono c-Si cell; backsheet type  
Fire Rating : Class C according to UL790

**Product data – type DM108-xxx**

Maximum system voltage : 1000V  
Description : xxx=390-425W, in steps of 5, 108 cells  
Design : With Mono c-Si cell; backsheet type  
Fire Rating : Class C according to UL790

**Product data – type DM120HBG-xxx**

Maximum system voltage : 1500V  
Description : xxx=435-475, in steps of 5, 120 cells  
Design : With Mono c-Si cell; double glass type  
Fire Rating : Class B according to UL790

**Product data – type DM120H-xxx**

Maximum system voltage : 1500V  
Description : xxx=420-470, in steps of 5, 120 cells  
Design : With Mono c-Si cell type; backsheet type  
Fire Rating : Class C according to UL790

**Product data – type DM120-xxx**

Maximum system voltage : 1000V

Description : xxx=420-470, in steps of 5, 120 cells  
Design : With Mono c-Si cell type; backsheet type  
Fire Rating : Class C according to UL790

**Product data – type DM144HBG-xxx**

Maximum system voltage : 1500V  
Description : xxx=520-570, in steps of 5, 144 cells  
Design : With Mono c-Si cell type; double glass type  
Fire Rating : Class B according to UL790

**Product data – type DM144H-xxx**

Maximum system voltage : 1500V  
Description : xxx=520-570, in steps of 5, 144 cells  
Design : With Mono c-Si cell type; backsheet type  
Fire Rating : Class C according to UL790

**Product data – type DM144-xxx**

Maximum system voltage : 1000V  
Description : xxx=520-570, in steps of 5, 144 cells  
Design : With Mono c-Si cell type; backsheet type  
Fire Rating : Class C according to UL790

**Product data – type EM120HBG-xxx**

Maximum system voltage : 1500V  
Description : xxx=580-605, in steps of 5, 120 cells  
Design : With Mono c-Si cell; double glass type  
Fire Rating : Class B according to UL790

**Product data – type EM120H-xxx**

Maximum system voltage : 1500V  
Description : xxx=580-605, in steps of 5, 120 cells  
Design : With Mono c-Si cell type; backsheet type  
Fire Rating : Class C according to UL790

**Product data – type EM120-xxx**

Maximum system voltage : 1000V  
Description : xxx=580-605, in steps of 5, 120 cells  
Design : With Mono c-Si cell; backsheet type  
Fire Rating : Class C according to UL790

**Product data – type EM132HBG-xxx**

Maximum system voltage : 1500V  
Description : xxx=635-665, in steps of 5, 132 cells  
Design : With Mono c-Si cell; double glass type  
Fire Rating : Class B according to UL790

**Product data – type EM132H-xxx**

Maximum system voltage : 1500V  
Description : xxx=635-665, in steps of 5, 132 cells  
Design : With Mono c-Si cell type; backsheet type

Fire Rating : Class C according to UL790

**Product data – type EM132-xxx**

Maximum system voltage : 1000V  
Description : xxx=635-665, in steps of 5, 132 cells  
Design : With Mono c-Si cell type; backsheet type  
Fire Rating : Class C according to UL790

**TESTS****Test requirements**

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  
IEC 61730-2:2016  
EN IEC 61730-2:2018  
EN IEC 61730-2:2018/AC:2018

**Test result**

The test results are laid down in DEKRA test file 609818900.

**Additional information**

This certificate replaces certificate No. 31-120603 REV.1 which we hereby declare invalid.

The list of components is laid down in test report 6098189A.52A and 6098189A.52B.

**Conclusion**

The examination proved that all requirements were met.

**Factory location**

XinYu LDK Power Supply Technology Co., Ltd.  
No. 1950 SaiWei Avenue, High-Tech, Industrial Development Zone  
338000 Xinyu City Jiangxi, China

Trade name(s): LDK stands for



Unique Identifier

