



Product Service

CERTIFICATE

No. Z2 118443 0038 Rev. 04

Holder of Certificate: **Jinko Solar Co., Ltd.**
No.1, Yingbin Road, Economic Development Zone
334100 Shangrao City, Jiangxi
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, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 704062307436-04

Valid until: 2029-05-30

Date, 2024-06-25

(Zhulin Zhang)

CERTIFICATE

No. Z2 118443 0038 Rev. 04

Model(s):

1500VDC system voltage:

JKMxxxM-72HL4-TV (xxx=530-545, in steps of 5)
 JKMxxxM-72HL4-V, JKMxxxM-72HL4-V-J (xxx=540-570, in steps of 5)
 JKMxxxM-54HL4-V (xxx=405-425, in steps of 5)
 JKMxxxN-78HL4-V, JKMxxxN-78HL4-V-J (xxx=605-650, in steps of 5)
 JKMxxxN-72HL4-V, JKMxxxN-72HL4-V-J, JKBWxxxN-72HL4-V,
 JKMxxxN-72HL4-V-L (xxx=560-600, in steps of 5)
 JKMxxxN-60HL4-V, JKMxxxN-60HL4-V-J (xxx=470-500, in steps of 5)
 JKMxxxN-54HL4-V, JKMxxxN-54HL4R-V (xxx=420-450, in steps of 5)
 JKMxxxN-66HL4M-V (xxx=600-620, in steps of 5)

1000VDC system voltage:

JKMxxxM-72HL4, JKMxxxM-72HL4-J (xxx=540-570, in steps of 5)
 JKMxxxM-54HL4 (xxx=405-425, in steps of 5)
 JKMxxxN-78HL4, JKMxxxN-78HL4-J (xxx=605-650, in steps of 5)
 JKMxxxN-72HL4, JKMxxxN-72HL4-J, JKBWxxxN-72HL4, JKMxxxN-
 72HL4-L (xxx=560-600, in steps of 5)
 JKMxxxN-60HL4, JKMxxxN-60HL4-J (xxx=470-500, in steps of 5)
 JKMxxxN-54HL4, JKMxxxN-54HL4R (xxx=420-450, in steps of 5)
 JKMxxxN-66HL4M (xxx=600-620, in steps of 5)
 JKMxxxN-54HL4-B, JKMxxxN-54HL4R-B (xxx=420-445, in steps of 5)
 xxx is standing for rated output power at STC

Parameters:

Fire Safety Class:	Class C according to UL790
Safety Class:	Class II
Max. System Voltage:	1500V DC or 1000V DC
Construction:	Framed with Junction box, cable and connector.

Production

Facility(ies):

074043, 105416, 115863, 115864, 115883, 115858,
 115861, 115862, 116025, 119488, 075612, 121280,
 115860, 118443, 122742, 118612, 119487, 115859,
 125355

Tested

according to:

IEC 61215-1:2021
 IEC 61215-1-1:2021
 IEC 61215-2:2021
 IEC 61730-1:2023
 IEC 61730-2:2023
 EN 61215-1:2021
 EN 61215-1-1:2021
 EN 61215-2:2021
 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

CE DECLARATION OF CONFORMITY



Business name of the manufacturer: **Jinko Solar Co., Ltd.**

Full address of the manufacture: **No.1 Yingbin Road, Economic Development Zone,
Shangrao City, 334100 Jiangxi, P. R. China**

To whom it may concern

WE, Jinko Solar Co., Ltd. hereby declare under our sole responsibility that the product(s):

DESCRIPTION: Photovoltaic solar module

BRAND: JinkoSolar

SINGLE GLASS MODULES 1500VDC SYSTEM VOLTAGE-MODULE TYPE (S):

Tiger Pro:

JKMxxxM-78HL4-V, JKMxxxM-78HL4-S-V (xxx=565-605, in steps of 5, 156 cells)
JKMxxxM-72HL4-V, JKMxxxM-72HL4-V-J, JKMxxxM-72HL4-S-V, JKMxxxM-72HL4-S-V-J
(xxx=475-585, in steps of 5, 144 cells)
JKMxxxM-66HL4-V, JKMxxxM-66HL4-S-V (xxx=440-505, in steps of 5, 132 cells)
JKMxxxM-60HL4-V, JKMxxxM-60HL4-S-V (xxx=400-485, in steps of 5, 120 cells)
JKMxxxM-54HL4-V, JKMxxxM-54HL4-S-V (xxx=360-430, in steps of 5, 108 cells)

MMxxx-78HLD-MBV (xxx=565-605, in steps of 5, 156 cells)
MMxxx-72HLD-MBV (xxx=475-570, in steps of 5, 144 cells)

MMxxx-66HLD-MBV (xxx=440-505, in steps of 5, 132 cells)
MMxxx-60HLD-MBV (xxx=400-470, in steps of 5, 120 cells)
MMxxx-54HLD-MBV (xxx=360-420, in steps of 5, 108 cells)

JKMxxxM-78HL4-TV, JKMxxxM-78HL4-S-TV (xxx=555-595, in steps of 5, 156 cells)
JKMxxxM-72HL4-TV, JKMxxxM-72HL4-TV-J, JKMxxxM-72HL4-S-TV, JKMxxxM-72HL4-S-TV-J
(xxx=475-580, in steps of 5, 144 cells)
JKMxxxM-66HL4-TV, JKMxxxM-66HL4-S-TV (xxx=440-500, in steps of 5, 132 cells)
JKMxxxM-60HL4-TV, JKMxxxM-60HL4-S-TV (xxx=400-455, in steps of 5, 120 cells)
JKMxxxM-54HL4-TV, JKMxxxM-54HL4-S-TV (xxx=360-410, in steps of 5, 108 cells)

JKMxxxM-72HL4-B-V, JKMxxxM-72HL4-S-B-V (xxx=510-535, in steps of 5, 144 cells)
JKMxxxM-66HL4-B-V, JKMxxxM-66HL4-S-B-V (xxx=465-490, in steps of 5, 132 cells)
JKMxxxM-60HL4-B-V, JKMxxxM-60HL4-S-B-V (xxx=425-445, in steps of 5, 120 cells)
JKMxxxM-54HL4-B-V, JKMxxxM-54HL4-S-B-V (xxx=380-400, in steps of 5, 108 cells)

Tiger Neo

JKMxxxN-78HL4-V (xxx=570-650, in steps of 5, 156 cells)
JKMxxxN-72HL4-V (xxx=485-615, in steps of 5, 144 cells)
JKMxxxN-66HL4-V (xxx=445-525, in steps of 5, 132 cells)
JKMxxxN-60HL4-V (xxx=405-510, in steps of 5, 120 cells)
JKMxxxN-54HL4-V (xxx=365-455, in steps of 5, 108 cells)

JKMxxxN-78HL4-TV (xxx=570-645, in steps of 5, 156 cells)
JKMxxxN-72HL4-TV (xxx=480-605, in steps of 5, 144 cells)
JKMxxxN-66HL4-TV (xxx=440-525, in steps of 5, 132 cells)
JKMxxxN-60HL4-TV (xxx=400-480, in steps of 5, 120 cells)
JKMxxxN-54HL4-TV (xxx=360-430, in steps of 5, 108 cells)

JKMxxxN-72HL4-B-V (xxx=510-535, in steps of 5, 144 cells)
JKMxxxN-66HL4-B-V (xxx=465-490, in steps of 5, 132 cells)
JKMxxxN-60HL4-B-V (xxx=425-445, in steps of 5, 120 cells)
JKMxxxN-54HL4-B-V (xxx=380-400, in steps of 5, 108 cells)

JKMxxxN-66HL4M-V (xxx=600-620, in steps of 5, 132 cells)

Tiger Neo R

JKMxxxN-72HL4R-V (xxx=485-615, in steps of 5, 144 cells)
JKMxxxN-60HL4R-V (xxx=405-510, in steps of 5, 120 cells)
JKMxxxN-54HL4R-V (xxx=365-455, in steps of 5, 108 cells)
JKMxxxN-72HL4R-TV (xxx=480-605, in steps of 5, 144 cells)

Tiger p-type 60

JKMxxxM-6TL3-V, JKMSxxxM-6TL3-V-TI, JKMxxxM-6TL3-S-V, JKMSxxxM-6TL3-V-MX3
(xxx=335-380, in steps of 5, 120 cells)
JKMxxxM-6TL3-TV, JKMxxxM-6TL3-S-TV (xxx=325-365, in steps of 5, 120 cells)
JKMxxxM-6TL3-B-V, JKMxxxM-6TL3-S-B-V, JKMSxxxM-6TL3-B-V-TI (xxx=320-365, in steps of 5, 120 cells)

Tiger n-type 60

JKMxxxN-6TL3-V, JKMSxxxN-6TL3-V-TI, JKMSxxxN-6TL3-V-MX3 (xxx=335-390, in steps of 5, 120 cells)
JKMxxxN-6TL3-TV, JKMxxxN-6TL3-S-TV (xxx=325-380, in steps of 5, 120 cells)
JKMxxxN-6TL3-B-V, JKMSxxxN-6TL3-B-V-TI, JKMxxxN-6TL3-S-B-V (xxx=320-365, in steps of 5, 120 cells)

Tiger p-type 66

JKMxxxM-6RL3-V, JKMxxxM-6RL3-V-J, JKMSxxxM-6RL3-V-TI, JKMxxxM-6RL3-S-V, JKMxxxM-6RL3-S-V-J, JKMSxxxM-6RL3-V-MX3 (xxx=360-415, in steps of 5, 132 cells)
JKMxxxM-6RL3-TV, JKMxxxM-6RL3-TV-J, JKMxxxM-6RL3-S-TV, JKMxxxM-6RL3-S-TV-J
(xxx=355-400, in steps of 5, 132 cells)
JKMxxxM-6RL3-B-V, JKMxxxM-6RL3-S-B-V, JKMSxxxM-6RL3-B-V-TI (xxx=360-405, in steps of 5, 132 cells)

Tiger n-type 66

JKMxxxN-6RL3-V, JKMxxxN-6RL3-V-J, JKMSxxxN-6RL3-V-TI, JKMSxxxN-6RL3-V-MX3
(xxx=360-420, in steps of 5, 132 cells)
JKMxxxN-6RL3-TV, JKMxxxN-6RL3-TV-J, JKMxxxN-6RL3-S-TV, JKMxxxN-6RL3-S-TV-J
(xxx=355-420, in steps of 5, 132 cells)
JKMxxxN-6RL3-B-V, JKMSxxxN-6RL3-B-V-TI, JKMxxxN-6RL3-S-B-V (xxx=360-405, in steps of 5, 132 cells)

SINGLE GLASS MODULES 1000VDC SYSTEM VOLTAGE-MODULE TYPE (S):

Tiger Pro

JKMxxxM-72HL4, JKMxxxM-72HL4-J (xxx=475-585, in steps of 5, 144 cells)
JKMxxxM-66HL4 (xxx=440-505, in steps of 5, 132 cells)
JKMxxxM-60HL4 (xxx=400-485, in steps of 5, 120 cells)
JKMxxxM-54HL4 (xxx=360-430, in steps of 5, 108 cells)

MMxxx-72HLD-MB (xxx=475-570, in steps of 5, 144 cells)
MMxxx-66HLD-MB (xxx=440-505, in steps of 5, 132 cells)
MMxxx-60HLD-MB (xxx=400-470, in steps of 5, 120 cells)
MMxxx-54HLD-MB (xxx=360-420, in steps of 5, 108 cells)

JKMxxxM-72HL4-B (xxx=510-535, in steps of 5, 144 cells)
JKMxxxM-66HL4-B (xxx=465-490, in steps of 5, 132 cells)
JKMxxxM-60HL4-B (xxx=425-445, in steps of 5, 120 cells)
JKMxxxM-54HL4-B (xxx=380-425, in steps of 5, 108 cells)

Tiger Neo

JKMxxxN-78HL4 (xxx=570-650, in steps of 5, 156 cells)
JKMxxxN-72HL4 (xxx=485-615, in steps of 5, 144 cells)
JKMxxxN-66HL4 (xxx=445-525, in steps of 5, 132 cells)
JKMxxxN-60HL4 (xxx=405-510, in steps of 5, 120 cells)
JKMxxxN-54HL4 (xxx=365-455, in steps of 5, 108 cells)

JKMxxxN-66HL4-B (xxx=465-490, in steps of 5, 132 cells)
JKMxxxN-60HL4-B (xxx=425-470, in steps of 5, 120 cells)
JKMxxxN-54HL4-B (xxx=380-450, in steps of 5, 108 cells)

JKMxxxN-66HL4M (xxx=600-620, in steps of 5, 132 cells)

Tiger Neo R

JKMxxxN-72HL4R (xxx=485-615, in steps of 5, 144 cells)
JKMxxxN-60HL4R (xxx=405-510, in steps of 5, 120 cells)
JKMxxxN-54HL4R, (xxx=365-455, in steps of 5, 108 cells)

JKMxxxN-54HL4R-B (xxx=380-450, in steps of 5, 108 cells)

JKMxxxN-78HL4R-TV (xxx=570-645, in steps of 5, 156 cells)

Tiger p-type 60

JKMxxxM-6TL3, JKMSxxxM-6TL3-TI, JKMSxxxM-6TL3-MX3 (xxx=335-380, in steps of 5, 120 cells)
JKMxxxM-6TL3-T (xxx=325-365, in steps of 5, 120 cells)
JKMxxxM-6TL3-B, JKMSxxxM-6TL3-B-TI, JKMSxxxM-6TL3-B-MX3 (xxx=320-365, in steps of 5, 120 cells)

Tiger n-type 60

JKMxxxN-6TL3, JKMSxxxN-6TL3-TI, JKMSxxxN-6TL3-MX3 (xxx=335-390, in steps of 5, 120 cells)
JKMxxxN-6TL3-T (xxx=325-365, in steps of 5, 120 cells)
JKMxxxN-6TL3-B, JKMSxxxN-6TL3-B-TI, JKMSxxxN-6TL3-B-MX3 (xxx=320-385, in steps of 5, 120 cells)

Tiger p-type 66

JKMxxxM-6RL3, JKMSxxxM-6RL3-TI, JKMSxxxM-6RL3-MX3 (xxx=360-415, in steps of 5, 132 cells)
JKMxxxM-6RL3-T, JKMSxxxM-6RL3-T-J (xxx=355-400, in steps of 5, 132 cells)
JKMxxxM-6RL3-B, JKMSxxxM-6RL3-B-TI, JKMSxxxM-6RL3-B-MX3 (xxx=360-405, in steps of 5, 132 cells)

Tiger n-type 66

JKMxxxN-6RL3, JKMSxxxN-6RL3-TI, JKMSxxxN-6RL3-MX3 (xxx=360-420, in steps of 5, 132 cells)
JKMxxxN-6RL3-T, JKMSxxxN-6RL3-T-J (xxx=355-400, in steps of 5, 132 cells)
JKMxxxN-6RL3-B, JKMSxxxN-6RL3-B-TI, JKMSxxxN-6RL3-B-MX3 (xxx=360-425, in steps of 5, 132 cells)

DUAL GLASS MODULES 1500VDC SYSTEM VOLTAGE-MODULE TYPE (S):

Tiger Neo

JKMxxxN-78HL4-BDV (xxx=570-645, in steps of 5, 156 cells)
JKMxxxN-72HL4-BDV, JKMSxxxN-72HL4-BDV-J, JKMSxxxN-72HL4-BDV-U, JKMSxxxN-72HL4-BDX (xxx=480-610, in steps of 5, 144 cells)
JKMxxxN-66HL4-BDV (xxx=440-520, in steps of 5, 132 cells)
JKMxxxN-60HL4-BDV (xxx=400-505, in steps of 5, 120 cells)
JKMxxxN-54HL4-BDV (xxx=360-455, in steps of 5, 108 cells)
JKMxxxN-66HL4M-BDV (xxx=590-620, in steps of 5, 132 cells)
JKMxxxN-66HL5-BDV (xxx=625-715, in steps of 5, 132 cells)

Tiger Neo R

JKMxxxN-78HL4R-BDV (xxx=570-645, in steps of 5, 156 cells)
JKMxxxN-72HL4R-BDV (xxx=480-610, in steps of 5, 144 cells)
JKMxxxN-60HL4R-BDV (xxx=400-505, in steps of 5, 120 cells)
JKMxxxN-54HL4R-BDV (xxx=360-455, in steps of 5, 108 cells)
JKMxxxN-54HL4R-BDB (xxx=360-455, in steps of 5, 108 cells)

Tiger Pro

JKMxxxM-72HL4-BDVP, JKMSxxxM-72HL4-BDVP-J (xxx=500-575, in steps of 5, 144 cells)

JKMxxxM-66HL4-BDVP (xxx=460-500, in steps of 5, 132 cells)
JKMxxxM-60HL4-BDVP (xxx=420-455, in steps of 5, 120 cells)
JKMxxxM-54HL4-BDVP (xxx=375-410, in steps of 5, 108 cells)

MANUFACTURER: Jinko Solar Co. Ltd.

Are in conformity with the following standards:

THE LOW VOLTAGE EUROPEAN DIRECTIVE 2014/35/EU.

THE ELECTROMANGNETIC COMPATIBILITY EUROPEAN DIRECTIVE 2014/30/EU.
(EN IEC 61000-6-3:2021 & EN IEC 61000-6-1:2019)

IEC 61215-1:2016

IEC 61215-1-1:2016

IEC 61215-2:2016

IEC 61730-1:2016

IEC 61730-2:2016

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

EN IEC 61000-6-1:2019

EN IEC 61000-6-3:2021

CE MARK OF DATE: 2024

The institute TÜV SÜD Product Service GmbH, Ridlerstraße 65, 80339 München has certified the product(s). The technical documentation and full compliance with the standards listed above proves the conformity of the product with the requirements of the above-mentioned EC Council directive.

This document has been issued in English. In case of translation discrepancy of this document, the English version shall prevail.

Date of issue:

June 12th 2024

Place of issue

China

Title - Name -
Signature

R-Gen Miao



Product Service

Attestation of Conformity

No. E8A 118443 0007 Rev. 02**Holder of Attestation: Jinko Solar Co., Ltd.**

No.1, Yingbin Road, Economic Development Zone
334100 Shangrao City, Jiangxi
PEOPLE'S REPUBLIC OF CHINA

Name of Object:**Crystalline Silicon Terrestrial Photovoltaic (PV) Modules****Mono Crystalline Silicon Photovoltaic (PV) Modules**

This Attestation of Conformity is issued on a voluntary basis according to the Directive 2014/30/EU relating to electromagnetic compatibility. It confirms that the listed apparatus complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for conformity assessment. For details see: www.tuvsud.com/ps-cert

Test report no.:

4840922243803

Date, 2023-11-27

(Ming Gu)

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This Attestation does not replace the regulatory EU Declaration of Conformity (DoC) and does not allow for CE marking. After preparation of the necessary documentation and establishing compliance to requirements of all applicable directives, the manufacturer may sign a DoC and apply the CE marking. The DoC is issued under the sole responsibility of the manufacturer.



TUV®



Product Service

Attestation of Conformity

No. E8A 118443 0007 Rev. 02

Model(s):

1500VDC system voltage:

JKMxxxM-72-V, JKMxxxM-72B-V, JKMxxxM-72(Plus)-V, JKMxxxM-72L-V,
JKMxxxM-72BL-V, JKMSxxxM-72-V, JKMSxxxM-72-V-J, JKMSxxxM-72-V-TI,
JKMSxxxM-72L-V-TI, JKMSxxxM-72B-V-TI, JKMSxxxM-72BL-V-TI
(xxx=335-410, in steps of 5, 72 cells)

JKMxxxM-60-V, JKMxxxM-60B-V, JKMxxxM-60(Plus)-V, JKMxxxM-60L-V,
JKMxxxM-60BL-V, JKMSxxxM-60-V, JKMSxxxM-60-V-J, JKMSxxxM-60-V-TI,
JKMSxxxM-60L-V-TI, JKMSxxxM-60B-V-TI, JKMSxxxM-60BL-V-TI,
(xxx=270-340, in steps of 5, 60 cells)

JKMxxxM-72H-V, JKMxxxM-72HL-V, JKMxxxM-72HB-V, JKMxxxM-72HBL-V,
JKMSxxxM-72H-V-TI, JKMSxxxM-72HL-V-TI, JKMSxxxM-72HB-V-TI,
JKMSxxxM-72HBL-V-TI,
(xxx=335-425, in steps of 5, 144 cells)

JKMxxxM-60H-V, JKMxxxM-60HL-V, JKMxxxM-60HB-V, JKMxxxM-60HBL-V,
JKMSxxxM-60H-V-TI, JKMSxxxM-60HL-V-TI, JKMSxxxM-60HB-V-TI,
JKMSxxxM-60HBL-V-TI,
(xxx=270-350, in steps of 5, 120 cells)

MMxxx-72LA-MBV, MMxxx-72LA-ABV, SMMxxx-72LA-MBV,
SMMxxx-72LA-MBV-TI, SMMxxx-72LA-ABV-TI,
(xxx=335-410, in steps of 5, 72 cells)
MMxxx-60LA-MBV, MMxxx-60LA-ABV, SMMxxx-60LA-MBV-TI,
SMMxxx-60LA-ABV-TI,
(xxx=270-340, in steps of 5, 60 cells)

JKMxxxM-72HL-V-Q, JKMSxxxM-72HL-V-TI-Q, MMxxx-72HLA-MBV,
MMxxx-72HLA-ABV,
SMMxxx-72HLA-MBV-TI, SMMxxx-72HLA-ABV-TI,
(xxx=335-425, in steps of 5, 144 cells)
JKMxxxM-60HL-V-Q, JKMSxxxM-60HL-V-TI-Q, MMxxx-60HLA-MBV,
MMxxx-60HLA-ABV,
SMMxxx-60HLA-MBV-TI, SMMxxx-60HLA-ABV-TI,
(xxx=270-350, in steps of 5, 120 cells)

JKMxxxPP-72-V, JKMxxxPP-72B-V, JKMxxxPP-72(Plus)-V, JKMSxxxPP-72-V,
JKMSxxxPP-72-V-J,
(xxx=320-355, in steps of 5, 72 cells)

JKMxxxPP-60-V, JKMxxxPP-60B-V, JKMxxxPP-60(Plus)-V, JKMSxxxPP-60-V,
JKMSxxxPP-60-V-J,
(xxx=260-290, in steps of 5, 60 cells)

JKMxxxPP-72H-V, JKMxxxPP-72HB-V,
(xxx=330-380, in steps of 5, 144 cells)
JKMxxxPP-60H-V, JKMxxxPP-60HB-V,
(xxx=260-315, in steps of 5, 120 cells)

JKMxxxM-72H-TV, JKMxxxM-72HL-TV,
(xxx=375-425, in steps of 5, 144 cells)
JKMxxxM-60H-TV, JKMxxxM-60HL-TV,
(xxx=315-355, in steps of 5, 120 cells)

JKMxxxM-72HL-TV-Q, MMxxx-72HLA-BBV,
(xxx=375-425, in steps of 5, 144 cells)
JKMxxxM-60HL-TV-Q, MMxxx-60HLA-BBV,
(xxx=315-355, in steps of 5, 120 cells)

JKMxxxN-72H-TV, JKMxxxN-72HL-TV,
(xxx=375-425, in steps of 5, 144 cells)

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This Attestation does not replace the regulatory EU Declaration of Conformity (DoC) and does not allow for CE marking. After preparation of the necessary documentation and establishing compliance to requirements of all applicable directives, the manufacturer may sign a DoC and apply the CE marking. The DoC is issued under the sole responsibility of the manufacturer.



TUV®



Product Service

Attestation of Conformity

No. E8A 118443 0007 Rev. 02

JKMxxxN-60H-TV,JKMxxxN-60HL-TV,
(xxx=315-355, in steps of 5, 120 cells)

JKMSxxxM-72-V-MX3,JKMSxxxM-72B-V-MX3,JKMSxxxM-72L-V-MX3,
JKMSxxxM-72BL-V-MX3,
(xxx=335-395, in steps of 5, 72 cells)

JKMSxxxM-60-V-MX3,JKMSxxxM-60B-V-MX3,JKMSxxxM-60L-V-MX3,
JKMSxxxM-60BL-V-MX3,
(xxx=270-340, in steps of 5, 60 cells)

SMMxxx-72LA-MBV-MX3,SMMxxx-72LA-ABV-MX3,
(xxx=335-395, in steps of 5, 72 cells)
SMMxxx-60LA-MBV-MX3,SMMxxx-60LA-ABV-MX3,
(xxx=270-340, in steps of 5, 60 cells)

JKMSxxxM-72H-V-MX3,JKMSxxxM-72HB-V-MX3,
JKMSxxxM-72HL-V-MX3,JKMSxxxM-72HBL-V-MX3,
(xxx=335-395, in steps of 5, 144 cells)
JKMSxxxM-60H-V-MX3,JKMSxxxM-60HB-V-MX3,
JKMSxxxM-60HL-V-MX3,JKMSxxxM-60HBL-V-MX3,
(xxx=270-340, in steps of 5, 120 cells)

JKMSxxxM-72HL-V-MX3-Q,SMMxxx-72HLA-MBV-MX3,
SMMxxx-72HLA-ABV-MX3,
(xxx=335-395, in steps of 5, 144 cells)
JKMSxxxM-60HL-V-MX3-Q,SMMxxx-60HLA-MBV-MX3,
SMMxxx-60HLA-ABV-MX3,
(xxx=270-340, in steps of 5, 120 cells)

JKMSxxxPP-72-V-MX3,JKMSxxxPP-72B-V-MX3,
JKMSxxxPP-72L-V-MX3,JKMSxxxPP-72BL-V-MX3,
(xxx=320-355, in steps of 5, 72 cells)
JKMSxxxPP-60-V-MX3,JKMSxxxPP-60B-V-MX3,
JKMSxxxPP-60L-V-MX3,JKMSxxxPP-60BL-V-MX3,
(xxx=260-290, in steps of 5, 60 cells)

JKMSxxxPP-72H-V-MX3,JKMSxxxPP-72HB-V-MX3,
JKMSxxxPP-72HL-V-MX3,JKMSxxxPP-72HBL-V-MX3,
(xxx=330-380, in steps of 5, 144cells)

JKMSxxxPP-60H-V-MX3,JKMSxxxPP-60HB-V-MX3,
JKMSxxxPP-60HL-V-MX3,JKMSxxxPP-60HBL-V-MX3,
(xxx=260-315, in steps of 5, 120 cells)

JKMxxxN-72H-MBB-TV,
(xxx=390-420, in steps of 5, 144 cells)
JKMxxxN-60H-MBB-TV,
(xxx=330-350, in steps of 5, 120 cells)

MNxxx-72HLA-BBV-MBB,
(xxx=390-420, in steps of 5, 144 cells)
MNxxx-60HLA-BBV-MBB,
(xxx=330-350, in steps of 5, 120 cells)

JKMxxxM-72H-MBB-TV,
(xxx=385-405, in steps of 5, 144 cells)
JKMxxxM-60H-MBB-TV,
(xxx=320-335, in steps of 5, 120 cells)

MM-72HLA-BBV-MBB,
MMxxx-72HLA-BBV-MBB,

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(xxx=385-405, in steps of 5, 144 cells)

MM-60HLA-BBV-MBB,
MMxxx-60HLA-BBV-MBB,
(xxx=320-335, in steps of 5, 120 cells)

JKMxxxM-72H-MBB-V,
JKMSxxxM-72H-MBB-V-TI,
JKMSxxxM-72H-MBB-V-MX3,
(xxx=385-425, in steps of 5, 144 cells)

JKMxxxM-60H-MBB-V,
JKMSxxxM-60H-MBB-V-TI,
JKMSxxxM-60H-MBB-V-MX3,
(xxx=320-355, in steps of 5, 120 cells)

MM-72HLA-MBV-MBB,
SMM-72HLA-MBV-MBB-TI,
MMxxx-72HLA-MBV-MBB,
SMMxxx-72HLA-MBV-MBB-TI,
(xxx=385-425, in steps of 5, 144 cells)
MM-60HLA-MBV-MBB,
SMM-60HLA-MBV-MBB-TI,
MMxxx-60HLA-MBV-MBB,
SMMxxx-60HLA-MBV-MBB-TI,
(xxx=320-355, in steps of 5, 120 cells)

JKSN3-DCCA-xxx,
(xxx=410-440, in steps of 5, 156 cells)
JKSN3-CCCA-xxx,
(xxx=345-370, in steps of 5, 132 cells)

JKSM3-DCCA-xxx,
(xxx=400-450, in steps of 5, 156 cells)
JKSM3-CCCA-xxx,
(xxx=340-380, in steps of 5, 132 cells)

JKSM3-DACA-xxx,
(xxx=400-440, in steps of 5, 156 cells)
JKSM3-CACA-xxx,
(xxx=335-370, in steps of 5, 132 cells)

JKMxxxM-78H-V,
JKMSxxxM-78H-V-TI,
(xxx=405-465, in steps of 5, 156 cells)
JKMxxxM-66H-V,
JKMSxxxM-66H-V-TI,
(xxx=340-390, in steps of 5, 132 cells)

JKMxxxM-78H-V-Q,
JKMSxxxM-78H-V-TI-Q,
MMxxx-78HLA-MBV,
SMMxxx-78HLA-MBV-TI,
(xxx=405-465, in steps of 5, 156 cells)
JKMxxxM-66H-V-Q,
JKMSxxxM-66H-V-TI-Q,
MMxxx-66HLA-MBV,
SMMxxx-66HLA-MBV-TI,
(xxx=340-390, in steps of 5, 132 cells)

JKMxxxM-78HB-V,
JKMSxxxM-78HB-V-TI,

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(xxx=405-435, in steps of 5, 156 cells)
JKMxxxM-66HB-V,
JKMSxxxM-66HB-V-TI,
(xxx=340-365, in steps of 5, 132 cells)

MMxxx-78HLA-ABV,
SMMxxx-78HLA-ABV-TI,
(xxx=405-435, in steps of 5, 156 cells)
MMxxx-66HLA-ABV,
SMMxxx-66HLA-ABV-TI,
(xxx=340-365, in steps of 5, 132 cells)

JKMxxxM-78H-TV,
(xxx=405-455, in steps of 5, 156 cells)
JKMxxxM-66H-TV,
(xxx=340-385, in steps of 5, 132 cells)

JKMxxxM-78H-TV-Q,
MMxxx-78HLA-BBV,
(xxx=405-455, in steps of 5, 156 cells)
JKMxxxM-66H-TV-Q,
MMxxx-66HLA-BBV,
(xxx=340-385, in steps of 5, 132 cells)

JKMxxxN-78H-TV,
(xxx=410-460, in steps of 5, 156 cells)
JKMxxxN-66H-TV,
(xxx=345-385, in steps of 5, 132 cells)

JKMxxxM-7RL3-V,
JKMxxxM-7RL3-V-J,
JKMSxxxM-7RL3-V-TI,
JKMxxxM-7RL3-S-V,
JKMxxxM-7RL3-S-V-J,
(xxx=430-495, in steps of 5, 156 cells)

JKMxxxM-6RL3-V,
JKMxxxM-6RL3-V-J,
JKMSxxxM-6RL3-V-TI,
JKMxxxM-6RL3-S-V,
JKMxxxM-6RL3-S-V-J,
JKMSxxxM-6RL3-V-MX3,
(xxx=360-415, in steps of 5, 132 cells)

JKMxxxM-6TL3-V,
JKMSxxxM-6TL3-V-TI,
JKMxxxM-6TL3-S-V,
JKMSxxxM-6TL3-V-MX3,
(xxx=335-380, in steps of 5, 120 cells)

MMxxx-7RLC-MBV,
SMMxxx-7RLC-MBV-TI,
(xxx=430-475, in steps of 5, 156 cells)
MMxxx-6RLC-MBV,
SMMxxx-6RLC-MBV-TI,
(xxx=360-400, in steps of 5, 132 cells)

MMxxx-6TLC-MBV,
SMMxxx-6TLC-MBV-TI,
(xxx=335-365, in steps of 5, 120 cells)

JKMxxxN-7RL3-V,

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JKMxxxN-7RL3-V-J,
JKMSxxxN-7RL3-V-TI,
(xxx=430-500, in steps of 5, 156 cells)

JKMxxxN-6RL3-V,
JKMxxxN-6RL3-V-J,
JKMSxxxN-6RL3-V-TI,
JKMSxxxN-6RL3-V-MX3, (xxx=360- 420, in steps of 5, 132 cells)

JKMxxxN-6TL3-V,
JKMSxxxN-6TL3-V-TI,
JKMSxxxN-6TL3-V-MX3,
(xxx=335-390, in steps of 5, 120 cells)

MNxxx-7RLC-MBV,
SMNxxx-7RLC-MBV-TI,
(xxx=430-475, in steps of 5, 156 cells)

MNxxx-6RLC-MBV,
SMNxxx-6RLC-MBV-TI,
(xxx=360-400, in steps of 5, 132 cells)

MNxxx-6TLC-MBV,
SMNxxx-6TLC-MBV-TI,
(xxx=335-365, in steps of 5, 120 cells)

JKMxxxM-7RL3-TV,
JKMxxxM-7RL3-TV-J,
JKMxxxM-7RL3-S-TV,
JKMxxxM-7RL3-S-TV-J,
(xxx=420-475, in steps of 5, 156 cells)

JKMxxxM-6RL3-TV,
JKMxxxM-6RL3-TV-J,
JKMxxxM-6RL3-S-TV,
JKMxxxM-6RL3-S-TV-J,
(xxx=355-400, in steps of 5, 132 cells)

JKMxxxM-6TL3-TV,
JKMxxxM-6TL3-S-TV,
(xxx=325-365, in steps of 5, 120 cells)

MMxxx-7RLC-BBV,
(xxx=420-475, in steps of 5, 156 cells)

MMxxx-6RLC-BBV,
(xxx=355-400, in steps of 5, 132 cells)

MMxxx-6TLC-BBV,
(xxx=325-365, in steps of 5, 120 cells)

JKMxxxN-7RL3-TV,
JKMxxxN-7RL3-TV-J,
JKMxxxN-7RL3-S-TV,
JKMxxxN-7RL3-S-TV-J,
(xxx=425-500, in steps of 5, 156 cells)

JKMxxxN-6RL3-TV,
JKMxxxN-6RL3-TV-J,
JKMxxxN-6RL3-S-TV,
JKMxxxN-6RL3-S-TV-J,
(xxx=355-420, in steps of 5, 132 cells)

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JKMxxxN-6TL3-TV,
JKMxxxN-6TL3-S-TV,
(xxx=325-380, in steps of 5, 120 cells)

MNxxx-7RLC-BBV,
(xxx=425-475, in steps of 5, 156 cells)
MNxxx-6RLC-BBV,
(xxx=355-400, in steps of 5, 132 cells)

MNxxx-6TLC-BBV,
(xxx=325-365, in steps of 5, 120 cells)

JKMxxxN-72H-MBB-V,
JKMSxxxN-72H-MBB-V-TI,
(xxx=385-425, in steps of 5, 144 cells)
JKMxxxN-60H-MBB-V,
JKMSxxxN-60H-MBB-V-TI,
(xxx=320-350, in steps of 5, 120 cells)

MNxxx-72HLA-MBV-MBB,
SMNxxx-72HLA-MBV-MBB-TI,
(xxx=385-425, in steps of 5, 144 cells)
MNxxx-60HLA-MBV-MBB,
SMNxxx-60HLA-MBV-MBB-TI,
(xxx=320-350, in steps of 5, 120 cells)

JKMxxxM-7RL3-B-V,
JKMxxxM-7RL3-S-B-V,
JKMSxxxM-7RL3-B-V-TI,
(xxx=425-480, in steps of 5, 156 cells)
JKMxxxM-6RL3-B-V,
JKMxxxM-6RL3-S-B-V,
JKMSxxxM-6RL3-B-V-TI,
(xxx=360-405, in steps of 5, 132 cells)

JKMxxxM-6TL3-B-V,
JKMxxxM-6TL3-S-B-V,
JKMSxxxM-6TL3-B-V-TI,
(xxx=320-365, in steps of 5, 120 cells)

MMxxx-7RLC-ABV,
SMMxxx-7RLC-ABV-TI,
(xxx=425-480, in steps of 5, 156 cells)
MMxxx-6RLC-ABV,
SMMxxx-6RLC-ABV-TI,
(xxx=360-405, in steps of 5, 132 cells)

MMxxx-6TLC-ABV,
SMMxxx-6TLC-ABV-TI,
(xxx=320-365, in steps of 5, 120 cells)

JKMxxxN-7RL3-B-V,
JKMSxxxN-7RL3-B-V-TI,
JKMxxxN-7RL3-S-B-V,
(xxx=425-480, in steps of 5, 156 cells)
JKMxxxN-6RL3-B-V,
JKMSxxxN-6RL3-B-V-TI,
JKMxxxN-6RL3-S-B-V,
(xxx=360-405, in steps of 5, 132 cells)

JKMxxxN-6TL3-B-V,

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JKMSxxxN-6TL3-B-V-TI,
JKMxxxN-6TL3-S-B-V,
(xxx=320-365, in steps of 5, 120 cells)

MNxxx-7RLC-ABV,
SMNxxx-7RLC-ABV-TI,
(xxx=425-480, in steps of 5, 156 cells)
MNxxx-6RLC-ABV,
SMNxxx-6RLC-ABV-TI,
(xxx=360-405, in steps of 5, 132 cells)

MNxxx-6TLC-ABV,
SMNxxx-6TLC-ABV-TI,
(xxx=320-365, in steps of 5, 120 cells)

JKMxxxN-72H-MBB-B-V,
JKMSxxxN-72H-MBB-B-V-TI,
(xxx=380-400, in steps of 5, 144 cells)
JKMxxxN-60H-MBB-B-V,
JKMSxxxN-60H-MBB-B-V-TI,
(xxx=315-330, in steps of 5, 120 cells)

MNxxx-72HLA-ABV-MBB,
SMNxxx-72HLA-ABV-MBB-TI,
(xxx=380-400, in steps of 5, 144 cells)
MNxxx-60HLA-ABV-MBB,
SMNxxx-60HLA-ABV-MBB-TI,
(xxx=315-330, in steps of 5, 120 cells)

JKMxxxM-72HLM-V,
JKMSxxxM-72HLM-V-MX3,
(xxx=420-465, in steps of 5, 144 cells)
JKMxxxM-60HLM-V,
JKMSxxxM-60HLM-V-MX3,
(xxx=350-385, in steps of 5, 120 cells)

MMxxx-72HLM-MBV,
(xxx=420-465, in steps of 5, 144 cells)
MMxxx-60HLM-MBV,
(xxx=350-385, in steps of 5, 120 cells)

JKMxxxM-78H-MBB-V,
JKMSxxxM-78H-MBB-V-MX3,
(xxx=440-465, in steps of 5, 156 cells)
JKMxxxM-66H-MBB-V,
JKMSxxxM-66H-MBB-V-MX3,
(xxx=370-390, in steps of 5, 132 cells)

MM-78HLA-MBV-MBB,
MMxxx-78HLA-MBV-MBB,
(xxx=440-465, in steps of 5, 156 cells)
MM-66HLA-MBV-MBB,
MMxxx-66HLA-MBV-MBB,
(xxx=370-390, in steps of 5, 132 cells)

JKMxxxM-78HL4-V,
JKMxxxM-78HL4-S-V,
(xxx=565-605, in steps of 5, 156 cells)

JKMxxxM-72HL4-V,
JKMxxxM-72HL4-V-J,
JKMxxxM-72HL4-S-V,

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JKMxxxM-72HL4-S-V-J,
(xxx=475-585, in steps of 5, 144 cells)
JKMxxxM-66HL4-V,
JKMxxxM-66HL4-S-V,
(xxx=440-505, in steps of 5, 132 cells)

JKMxxxM-60HL4-V,
JKMxxxM-60HL4-S-V,
(xxx=400-485, in steps of 5, 120 cells)
JKMxxxM-54HL4-V,
JKMxxxM-54HL4-S-V,
(xxx=360-430, in steps of 5, 108 cells)

MMxxx-78HLD-MBV,
(xxx=565-605, in steps of 5, 156 cells)

MMxxx-72HLD-MBV,
(xxx=475-570, in steps of 5, 144 cells)
MMxxx-66HLD-MBV,
(xxx=440-505, in steps of 5, 132 cells)

MMxxx-60HLD-MBV,
(xxx=400-470, in steps of 5, 120 cells)

MMxxx-54HLD-MBV,
(xxx=360-420, in steps of 5, 108 cells)

JKMxxxM-78HL4-TV,
JKMxxxM-78HL4-S-TV,
(xxx=555-595, in steps of 5, 156 cells)

JKMxxxM-72HL4-TV,
JKMxxxM-72HL4-TV-J,
JKMxxxM-72HL4-S-TV,
JKMxxxM-72HL4-S-TV-J,
(xxx=475-580, in steps of 5, 144 cells)
JKMxxxM-66HL4-TV,
JKMxxxM-66HL4-S-TV,
(xxx=440-500, in steps of 5, 132 cells)

JKMxxxM-60HL4-TV,
JKMxxxM-60HL4-S-TV,
(xxx=400-455, in steps of 5, 120 cells)
JKMxxxM-54HL4-TV,
JKMxxxM-54HL4-S-TV,
(xxx=360-410, in steps of 5, 108 cells)

JKMxxxM-7RL4-V,
JKMxxxM-7RL4-V-J,
(xxx=535-590, in steps of 5, 156 cells)
JKMxxxM-7TL4-V,
JKMxxxM-7TL4-V-J,
(xxx=495-570, in steps of 5, 144 cells)

JKMxxxM-6RL4-V,
(xxx=455-495, in steps of 5, 132 cells)
JKMxxxM-6TL4-V,
(xxx=415-450, in steps of 5, 120 cells)

JKMxxxM-5RL4-V,
(xxx=375-435, in steps of 5, 108 cells)

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MMxxx-7RLD-MBV,
(xxx=535-590, in steps of 5, 156 cells)
MMxxx-7TLD-MBV,
(xxx=495-540, in steps of 5, 144 cells)

MMxxx-6RLD-MBV,
(xxx=455-495, in steps of 5, 132 cells)
MMxxx-6TLD-MBV,
(xxx=415-450, in steps of 5, 120 cells)

MMxxx-5RLD-MBV,
(xxx=375-405, in steps of 5, 108 cells)

JKMxxxM-7RL4-TV,
JKMxxxM-7RL4-TV-J,
(xxx=525-590, in steps of 5, 156 cells)
JKMxxxM-7TL4-TV,
JKMxxxM-7TL4-TV-J,
(xxx=485-570, in steps of 5, 144 cells)

JKMxxxM-6RL4-TV,
(xxx=445-495, in steps of 5, 132 cells)
JKMxxxM-6TL4-TV
(xxx=405-450, in steps of 5, 120 cells)

JKMxxxM-5RL4-TV,
(xxx=365-405, in steps of 5, 108 cells)

JKMxxxN-78HL4-V,
JKMxxxN-78HL4-V-J,
JKMxxxN-78HL4R-V
(xxx=570-650, in steps of 5, 156cells)

JKMxxxN-72HL4-V,
JKMxxxN-72HL4-V-J,
JKMxxxN-72HL4R-V,
(xxx=485-615, in steps of 5, 144 cells)
JKMxxxN-66HL4-V,
(xxx=445-525, in steps of 5, 132 cells)

JKMxxxN-60HL4-V,
JKMxxxN-60HL4-V-J,
JKMxxxN-60HL4R-V,
(xxx=405-510, in steps of 5, 120 cells)
JKMxxxN-54HL4-V,
JKMxxxN-54HL4R-V,
(xxx=365-455, in steps of 5, 108 cells)

MNxxx-72HLD-MBV,
(xxx=485-555, in steps of 5, 144 cells)
MNxxx-66HLD-MBV,
(xxx=445-505, in steps of 5, 132 cells)

MNxxx-60HLD-MBV,
(xxx=405-460, in steps of 5, 120 cells)
MNxxx-54HLD-MBV,
(xxx=365-415, in steps of 5, 108 cells)

JKMxxxN-78HL4-TV,
JKMxxxN-78HL4R-TV
(xxx=570-645, in steps of 5, 156 cells)

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JKMxxxN-72HL4-TV,
JKMxxxN-72HL4R-TV,
(xxx=480-605, in steps of 5, 144 cells)
JKMxxxN-66HL4-TV,
(xxx=440-525, in steps of 5, 132 cells)

JKMxxxN-60HL4-TV,
(xxx=400-480, in steps of 5, 120 cells)
JKMxxxN-54HL4-TV,
(xxx=360-430, in steps of 5, 108 cells)

MNxxx72HLD-BBV,
(xxx=480-545, in steps of 5, 144 cells)
MNxxx66HLD-BBV,
(xxx=440-495, in steps of 5, 132 cells)

MNxxx60HLD-BBV,
(xxx=400-450, in steps of 5, 120 cells)
MNxxx54HLD-BBV,
(xxx=360-405, in steps of 5, 108 cells)

JKMxxxN-7RL4-V,
(xxx=535-590, in steps of 5, 156 cells)
JKMxxxN-7TL4-V,
JKMxxxN-7TL4R-V
(xxx=495-600, in steps of 5, 144 cells)

JKMxxxN-6RL4-V,
(xxx=455-495, in steps of 5, 132 cells)
JKMxxxN-6TL4-V,
(xxx=415-450, in steps of 5, 120 cells)

JKMxxxN-5RL4-V,
(xxx=375-460, in steps of 5, 108 cells)

MNxxx7RLD-MBV,
(xxx=535-590, in steps of 5, 156 cells)
MNxxx7TLD-MBV,
(xxx=495-540, in steps of 5, 144 cells)

MNxxx6RLD-MBV,
(xxx=455-495, in steps of 5, 132 cells)
MNxxx6TLD-MBV,
(xxx=415-450, in steps of 5, 120 cells)

MNxxx5RLD-MBV,
(xxx=375-405, in steps of 5, 108 cells)

JKMxxxN-7RL4-TV,
(xxx=520-585, in steps of 5, 156 cells)
JKMxxxN-7TL4-TV,
JKMxxxN-7TL4R-TV
(xxx=480-590, in steps of 5, 144 cells)

JKMxxxN-6RL4-TV,
(xxx=440-495, in steps of 5, 132 cells)
JKMxxxN-6TL4-TV,
(xxx=400-450, in steps of 5, 120 cells)

JKMxxxN-5RL4-TV,
(xxx=365-405, in steps of 5, 108 cells)

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No. E8A 118443 0007 Rev. 02

MNxxx7RLD-BBV,
(xxx=520-585, in steps of 5, 156 cells)
MNxxx7TLD-BBV,
(xxx=480-540, in steps of 5, 144 cells)

MNxxx6RLD-BBV,
(xxx=440-495, in steps of 5, 132 cells)
MNxxx6TLD-BBV,
(xxx=400-450, in steps of 5, 120 cells)

MNxxx5RLD-BBV,
(xxx=365-405, in steps of 5, 108 cells)

JKMxxxM-72HL4-B-V,
JKMxxxM-72HL4-S-B-V,
(xxx=510-535, in steps of 5, 144 cells)
JKMxxxM-66HL4-B-V,
JKMxxxM-66HL4-S-B-V,
(xxx=465-490, in steps of 5, 132 cells)

JKMxxxM-60HL4-B-V,
JKMxxxM-60HL4-S-B-V,
(xxx=425-445, in steps of 5, 120 cells)
JKMxxxM-54HL4-B-V,
JKMxxxM-54HL4-S-B-V,
(xxx=380-400, in steps of 5, 108 cells)

JKMxxxN-72HL4-B-V,
(xxx=510-535, in steps of 5, 144 cells)
JKMxxxN-66HL4-B-V,
(xxx=465-490, in steps of 5, 132 cells)

JKMxxxN-60HL4-B-V,
(xxx=425-445, in steps of 5, 120 cells)
JKMxxxN-54HL4-B-V,
(xxx=380-400, in steps of 5, 108 cells)

JKMxxxM-7RL4-B-V,
(xxx=540-575, in steps of 5, 156 cells)
JKMxxxM-7TL4-B-V,
(xxx=495-530, in steps of 5, 144 cells)

JKMxxxM-6RL4-B-V
(xxx=455-485, in steps of 5, 132 cells)
JKMxxxM-6TL4-B-V,
(xxx=415-440, in steps of 5, 120 cells)

JKMxxxM-5RL4-B-V,
(xxx=375-395, in steps of 5, 108 cells)

JKMxxxN-7RL4-B-V,
(xxx=540-575, in steps of 5, 156 cells)
JKMxxxN-7TL4-B-V,
(xxx=495-530, in steps of 5, 144 cells)

JKMxxxN-6RL4-B-V,
(xxx=455-485, in steps of 5, 132 cells)
JKMxxxN-6TL4-B-V,
(xxx=415-440, in steps of 5, 120 cells)

JKMxxxN-5RL4-B-V,

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(xxx=375-395, in steps of 5, 108 cells)

JKMxxxM-72HLM-TV,
(xxx=425-460, in steps of 5, 144 cells)
JKMxxxM-60HLM-TV,
(xxx=355-380, in steps of 5, 120 cells)

JKMxxxM-72HLM-B-V,
JKMSxxxM-72HLM-B-V-MX3,
(xxx=415-445, in steps of 5, 144 cells)
JKMxxxM-60HLM-B-V,
JKMSxxxM-60HLM-B-V-MX3,
(xxx=350-370, in steps of 5, 120 cells)

JKxxxM-66R5-MWV,
(xxx=630-665, in steps of 5, 132 cells)

JKxxxM-66R5-BTV,
(xxx=630-660, in steps of 5, 132 cells)

JKxxxM-66H5-MWV,
(xxx=635-670, in steps of 5, 132 cells)

JKxxxM-66H5-BTV,
(xxx=630-665, in steps of 5, 132 cells)

JKxxxN-66H5-BTV,
(xxx=625-700, in steps of 5, 132 cells)

JKxxxN-66H5-MWV
(xxx=630-695, in steps of 5, 132 cells)

JKMxxxN-66HL4M-V
(xxx=600-620, in steps of 5, 132 cells)

1000VDC system voltage:
JKMxxxM-72,JKMxxxM-72(Plus),JKMxxxM-72L,JKMxxxM-72B,
JKMxxxM-72BL,JKMSxxxM-72,JKMSxxxM-72-J,JKMSxxxM-72-TI,
JKMSxxxM-72L-TI,JKMSxxxM-72B-TI,JKMSxxxM-72BL-TI,
(xxx=335-410, in steps of 5, 72 cells)

JKMxxxM-60,JKMxxxM-60(Plus),JKMxxxM-60L,JKMxxxM-60B,
JKMxxxM-60BL,JKMSxxxM-60,JKMSxxxM-60-J,JKMSxxxM-60-TI,
JKMSxxxM-60L-TI,JKMSxxxM-60B-TI,
JKMSxxxM-60BL-TI,
(xxx=270-340, in steps of 5, 60 cells)

MMxxx-72LA-MB,MMxxx-72LA-AB,SMMxxx-72LA-MB,SMMxxx-72LA-MB-TI,
SMMxxx-72LA-AB-TI,
(xxx=335-410, in steps of 5, 72 cells)

MMxxx-60LA-MB,MMxxx-60LA-AB,SMMxxx-60LA-MB-TI,SMMxxx-60LA-AB-TI,
(xxx=270-340, in steps of 5, 60 cells)

JKMxxxM-72H,JKMxxxM-72HL,JKMxxxM-72HB,JKMxxxM-72HBL,
JKMSxxxM-72H-TI,JKMSxxxM-72HL-TI,JKMSxxxM-72HB-TI,
JKMSxxxM-72HBL-TI,
(xxx=335-425, in steps of 5, 144 cells)

JKMxxxM-60H,JKMxxxM-60HL,JKMxxxM-60HB,JKMxxxM-60HBL,
JKMSxxxM-60H-TI,JKMSxxxM-60HL-TI,JKMSxxxM-60HB-TI,
JKMSxxxM-60HBL-TI,

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(xxx=270-350, in steps of 5, 120 cells)

MMxxx-72HLA-MB, MMxxx-72HLA-AB, SMMxxx-72HLA-MB-TI,
SMMxxx-72HLA-AB-TI,
(xxx=335-425, in steps of 5, 144 cells)

MMxxx-60HLA-MB, MMxxx-60HLA-AB, SMMxxx-60HLA-MB-TI,
SMMxxx-60HLA-AB-TI,
(xxx=270-350, in steps of 5, 120 cells)

JKMxxxM-72HL-Q, JKMxxxM-72HBL-Q, JKMSxxxM-72HL-TI-Q,
JKMSxxxM-72HBL-TI-Q,
(xxx=335-425, in steps of 5, 144 cells)

JKMxxxM-60HL-Q, JKMxxxM-60HBL-Q, JKMSxxxM-60HL-TI-Q,
JKMSxxxM-60HBL-TI-Q,
(xxx=270-350, in steps of 5, 120 cells)

JKMxxxPP-72, JKMxxxPP-72(Plus), JKMxxxPP-72B, JKMSxxxPP-72,
JKMSxxxPP-72-J,
(xxx=320-355, in steps of 5, 72 cells)

JKMxxxPP-60, JKMxxxPP-60(Plus), JKMxxxPP-60B, JKMSxxxPP-60,
JKMSxxxPP-60-J,
(xxx=260-290, in steps of 5, 60 cells)

JKMxxxPP-72H, JKMxxxPP-72HB,
(xxx=330-380, in steps of 5, 144 cells)

JKMxxxPP-60H, JKMxxxPP-60HB,
(xxx=260-315, in steps of 5, 120 cells)

JKMxxxM-72H-T, JKMxxxM-72HL-T,
(xxx=375-425, in steps of 5, 144 cells)

JKMxxxM-60H-T, JKMxxxM-60HL-T,
(xxx=315-355, in steps of 5, 120 cells)

JKMxxxM-72HL-T-Q, MMxxx-72HLA-BB,
(xxx=375-425, in steps of 5, 144 cells)

JKMxxxM-60HL-T-Q, MMxxx-60HLA-BB,
(xxx=315-355, in steps of 5, 120 cells)

JKMxxxN-72H-T, JKMxxxN-72HL-T,
(xxx=375-425, in steps of 5, 144 cells)

JKMxxxN-60H-T, JKMxxxN-60HL-T,
(xxx=315-355 in steps of 5, 120 cells)

JKMSxxxM-72-MX3, JKMSxxxM-72B-MX3, JKMSxxxM-72L-MX3,
JKMSxxxM-72BL-MX3,
(xxx=335-395, in steps of 5, 72 cells)

JKMSxxxM-60-MX3, JKMSxxxM-60B-MX3, JKMSxxxM-60L-MX3,
JKMSxxxM-60BL-MX3,
(xxx=270-340, in steps of 5, 60 cells)

SMMxxx-72LA-MB-MX3, SMMxxx-72LA-AB-MX3,
(xxx=335-395, in steps of 5, 72 cells)

SMMxxx-60LA-MB-MX3, SMMxxx-60LA-AB-MX3,

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(xxx=270-340, in steps of 5, 60 cells)

JKMSxxxM-72H-MX3, JKMSxxxM-72HB-MX3, JKMSxxxM-72HL-MX3,
JKMSxxxM-72HBL-MX3,
(xxx=335-395, in steps of 5, 144 cells)

JKMSxxxM-60H-MX3, JKMSxxxM-60HB-MX3, JKMSxxxM-60HL-MX3,
JKMSxxxM-60HBL-MX3,
(xxx=270-340, in steps of 5, 120 cells)

JKMSxxxM-72HL-MX3-Q, JKMSxxxM-72HBL-MX3-Q,
SMMxxx-72HLA-MB-MX3, SMMxxx-72HLA-AB-MX3,
(xxx=335-395, in steps of 5, 144 cells)

JKMSxxxM-60HL-MX3-Q, JKMSxxxM-60HBL-MX3-Q,
SMMxxx-60HLA-MB-MX3, SMMxxx-60HLA-AB-MX3,
(xxx=270-340, in steps of 5, 120 cells)

JKMSxxxPP-72-MX3, JKMSxxxPP-72B-MX3, JKMSxxxPP-72L-MX3,
JKMSxxxPP-72BL-MX3,
(xxx=320-355, in steps of 5, 72 cells)

JKMSxxxPP-60-MX3, JKMSxxxPP-60B-MX3, JKMSxxxPP-60L-MX3,
JKMSxxxPP-60BL-MX3,
(xxx=260-290, in steps of 5, 60 cells)

JKMSxxxPP-72H-MX3, JKMSxxxPP-72HB-MX3,
JKMSxxxPP-72HL-MX3, JKMSxxxPP-72HBL-MX3,
(xxx=330-380, in steps of 5, 144 cells)

JKMSxxxPP-60H-MX3, JKMSxxxPP-60HB-MX3,
JKMSxxxPP-60HL-MX3, JKMSxxxPP-60HBL-MX3,
(xxx=260-315, in steps of 5, 120 cells)

JKMxxxM-72H-MBB, JKMSxxxM-72H-MBB-TI, JKMSxxxM-72H-MBB-MX3,
(xxx=385-425, in steps of 5, 144 cells)

JKMxxxM-60H-MBB, JKMSxxxM-60H-MBB-TI, JKMSxxxM-60H-MBB-MX3,
(xxx=320-355, in steps of 5, 120 cells)

MMxxx-72HLA-MB-MBB, SMMxxx-72HLA-MB-MBB-TI,
(xxx=385-425, in steps of 5, 144 cells)

MMxxx-60HLA-MB-MBB, SMMxxx-60HLA-MB-MBB-TI,
(xxx=320-355, in steps of 5, 120 cells)

JKMxxxM-72H-MBB-T,
(xxx=385-405, in steps of 5, 144 cells)
JKMxxxM-60H-MBB-T,
(xxx=320-335, in steps of 5, 120 cells)

JKMxxxN-72H-MBB-T,
(xxx=390-420, in steps of 5, 144 cells)
JKMxxxN-60H-MBB-T,
(xxx=330-350, in steps of 5, 120 cells)

JKSM3-DFCA-xxx,
(xxx=400-440, in steps of 5, 156 cells)
JKSM3-CFCA-xxx,
(xxx=335-370, in steps of 5, 132 cells)

JKSM3-DHCA-xxx,

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(xxx=400-450, in steps of 5, 156 cells)
JKSM3-CHCA-xxx,
(xxx=340-380, in steps of 5, 132 cells)

JKSN3-DHCA-xxx,
(xxx=410-440, in steps of 5, 156 cells)
JKSN3-CHCA-xxx,
(xxx=345-370, in steps of 5, 132 cells)

JKMxxxM-78H,
JKMSxxxM-78H-TI,
(xxx=405-465, in steps of 5, 156 cells)
JKMxxxM-66H,
JKMSxxxM-66H-TI,
(xxx=340-390, in steps of 5, 132 cells)

MMxxx-78HLA-MB,
SMMxxx-78HLA-MB-TI,
(xxx=405-465, in steps of 5, 156 cells)
MMxxx-66HLA-MB,
SMMxxx-66HLA-MB-TI,
(xxx=340-390, in steps of 5, 132 cells)

JKMxxxM-78HB,
JKMSxxxM-78HB-TI,
(xxx=405-435, in steps of 5, 156 cells)
JKMxxxM-66HB,
JKMSxxxM-66HB-TI,
(xxx=340-365, in steps of 5, 132 cells)

MMxxx-78HLA-AB,
SMMxxx-78HLA-AB-TI,
(xxx=405-435, in steps of 5, 156 cells)
MMxxx-66HLA-AB,
SMMxxx-66HLA-AB-TI,
(xxx=340-365, in steps of 5, 132 cells)

JKMxxxM-78H-T,
(xxx=405-455, in steps of 5, 156 cells)
JKMxxxM-66H-T,
(xxx=340-385, in steps of 5, 132 cells)

JKMxxxN-78H-T,
(xxx=410-460, in steps of 5, 156 cells)
JKMxxxN-66H-T,
(xxx=345-385, in steps of 5, 132 cells)

JKMxxxM-7RL3,
JKMxxxM-7RL3-J,
JKMSxxxM-7RL3-TI,
(xxx=430-495, in steps of 5, 156 cells)
JKMxxxM-6RL3,
JKMxxxM-6RL3-J,
JKMSxxxM-6RL3-TI,
JKMSxxxM-6RL3-MX3,
(xxx=360-415, in steps of 5, 132 cells)

JKMxxxM-6TL3,
JKMSxxxM-6TL3-TI,
JKMSxxxM-6TL3-MX3,
(xxx=335-380, in steps of 5, 120 cells)

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MMxxx-7RLC-MB,
SMMxxx-7RLC-MB-TI,
(xxx=430-475, in steps of 5, 156 cells)
MMxxx-6RLC-MB,
SMMxxx-6RLC-MB-TI,
(xxx=360-400, in steps of 5, 132 cells)

MMxxx-6TLC-MB,
SMMxxx-6TLC-MB-TI,
(xxx=335-365, in steps of 5, 120 cells)

JKMxxxN-7RL3,
JKMxxxN-7RL3-J,
JKMSxxxN-7RL3-TI,
(xxx=430-500, in steps of 5, 156 cells)
JKMxxxN-6RL3,
JKMxxxN-6RL3-J,
JKMSxxxN-6RL3-TI,
JKMSxxxN-6RL3-MX3,
(xxx=360-420, in steps of 5, 132 cells)

JKMxxxN-6TL3,
JKMSxxxN-6TL3-TI,
JKMSxxxN-6TL3-MX3,
(xxx=335-390, in steps of 5, 120 cells)

MNxxx-7RLC-MB,
SMNxxx-7RLC-MB-TI,
(xxx=430-490, in steps of 5, 156 cells)
MNxxx-6RLC-MB,
SMNxxx-6RLC-MB-TI,
(xxx=360-410, in steps of 5, 132 cells)
MNxxx-6TLC-MB,
SMNxxx-6TLC-MB-TI,
(xxx=335-375, in steps of 5, 120 cells)

JKMxxxM-7RL3-T,
JKMxxxM-7RL3-T-J,
(xxx=420-475, in steps of 5, 156 cells)
JKMxxxM-6RL3-T,
JKMxxxM-6RL3-T-J,
(xxx=355-400, in steps of 5, 132 cells)

JKMxxxM-6TL3-T,
(xxx=325-365, in steps of 5, 120 cells)

JKMxxxN-7RL3-T,
JKMxxxN-7RL3-T-J,
(xxx=425-475, in steps of 5, 156 cells)
JKMxxxN-6RL3-T,
JKMxxxN-6RL3-T-J,
(xxx=355-400, in steps of 5, 132 cells)

JKMxxxN-6TL3-T,
(xxx=325-365, in steps of 5, 120 cells)

JKMxxxN-72H-MBB,
JKMSxxxN-72H-MBB-TI,
(xxx=385-425, in steps of 5, 144 cells)
JKMxxxN-60H-MBB,
JKMSxxxN-60H-MBB-TI,
(xxx=320-350, in steps of 5, 120 cells)

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MNxxx-72HLA-MB-MBB,
SMNxxx-72HLA-MB-MBB-TI,
(xxx=385-425, in steps of 5, 144 cells)
MNxxx-60HLA-MB-MBB,
SMNxxx-60HLA-MB-MBB-TI,
(xxx=320-350, in steps of 5, 120 cells)

JKMxxxM-7RL3-B,
JKMSxxxM-7RL3-B-TI,
(xxx=425-480, in steps of 5, 156 cells)
JKMxxxM-6RL3-B,
JKMSxxxM-6RL3-B-TI,
JKMSxxxM-6RL3-B-MX3,
(xxx=360-405, in steps of 5, 132 cells)

JKMxxxM-6TL3-B
JKMSxxxM-6TL3-B-TI
JKMSxxxM-6TL3-B-MX3
(xxx=320-365, in steps of 5, 120 cells)

MMxxx-7RLC-AB,
SMMxxx-7RLC-AB-TI,
(xxx=425-480, in steps of 5, 156 cells)
MMxxx-6RLC-AB,
SMMxxx-6RLC-AB-TI,
(xxx=360-405, in steps of 5, 132 cells)

MMxxx-6TLC-AB,
SMMxxx-6TLC-AB-TI,
(xxx=320-365, in steps of 5, 120 cells)

JKMxxxN-7RL3-B,
JKMSxxxN-7RL3-B-TI,
(xxx=425-480, in steps of 5, 156 cells)
JKMxxxN-6RL3-B,
JKMSxxxN-6RL3-B-TI,
JKMSxxxN-6RL3-B-MX3,
(xxx=360-425, in steps of 5, 132 cells)

JKMxxxN-6TL3-B,
JKMSxxxN-6TL3-B-TI,
JKMSxxxN-6TL3-B-MX3,
(xxx=320-385, in steps of 5, 120 cells)

MNxxx-7RLC-AB,
SMNxxx-7RLC-AB-TI,
(xxx=425-480, in steps of 5, 156 cells)
MNxxx-6RLC-AB,
SMNxxx-6RLC-AB-TI,
(xxx=360-405, in steps of 5, 132 cells)

MNxxx-6TLC-AB,
SMNxxx-6TLC-AB-TI,
(xxx=320-365, in steps of 5, 120 cells)

JKMxxxN-72H-MBB-B,
JKMSxxxN-72H-MBB-B-TI,
(xxx=380-400, in steps of 5, 144 cells)
JKMxxxN-60H-MBB-B,
JKMSxxxN-60H-MBB-B-TI,
(xxx=315-330, in steps of 5, 120 cells)

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JKMxxxN-48H-MBB-B,
(xxx=255-265, in steps of 5, 96 cells)
JKMxxxN-32H-MBB-B,
(xxx=170-175, in steps of 5, 64 cells)

MNxxx-72HLA-AB-MBB,
SMNxxx-72HLA-AB-MBB-TI,
(xxx=380-400, in steps of 5, 144 cells)
MNxxx-60HLA-AB-MBB,
SMNxxx-60HLA-AB-MBB-TI,
(xxx=315-330, in steps of 5, 120 cells)

JKMxxxM-72HLM,
JKMSxxxM-72HLM-MX3,
(xxx=420-465, in steps of 5, 144 cells)
JKMxxxM-60HLM,
JKMSxxxM-60HLM-MX3,
(xxx=350-385, in steps of 5, 120 cells)

MMxxx-72HLM-MB,
(xxx=420-465, in steps of 5, 144 cells)
MMxxx-60HLM-MB,
(xxx=350-385, in steps of 5, 120 cells)

JKMxxxM-72HL4,
JKMxxxM-72HL4-J,
(xxx=475-585, in steps of 5, 144 cells)
JKMxxxM-66HL4,
(xxx=440-505, in steps of 5, 132cells)

JKMxxxM-60HL4,
(xxx=400-485, in steps of 5, 120 cells)
JKMxxxM-54HL4,
(xxx=360-430, in steps of 5, 108 cells)

MMxxx-72HLD-MB,
(xxx=475-570, in steps of 5, 144 cells)
MMxxx-66HLD-MB,
(xxx=440-505, in steps of 5, 132cells)

MMxxx-60HLD-MB,
(xxx=400-470, in steps of 5, 120 cells)
MMxxx-54HLD-MB,
(xxx=360-420, in steps of 5, 108 cells)

JKMxxxM-7RL4,
JKMxxxM-7RL4-J,
(xxx=535-590, in steps of 5, 156 cells)
JKMxxxM-7TL4,
JKMxxxM-7TL4-J,
(xxx=495-570, in steps of 5, 144 cells)

JKMxxxM-6RL4,
(xxx=455-495, in steps of 5, 132 cells)
JKMxxxM-6TL4,
(xxx=415-450, in steps of 5, 120 cells)

JKMxxxM-5RL4,
(xxx=375-435, in steps of 5, 108 cells)

MMxxx-7RLD-MB,

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(xxx=535-590, in steps of 5, 156 cells)
MMxxx-7TLD-MB,
(xxx=495-540, in steps of 5, 144 cells)

MMxxx-6RLD-MB,
(xxx=455-495, in steps of 5, 132 cells)
MMxxx-6TLD-MB,
(xxx=415-450, in steps of 5, 120 cells)

MMxxx-5RLD-MB,
(xxx=375-405, in steps of 5, 108 cells)

JKMxxxM-78H-MBB,
JKMSxxxM-78H-MBB-MX3,
(xxx=440-465, in steps of 5, 156 cells)
JKMxxxM-66H-MBB,
JKMSxxxM-66H-MBB-MX3,
(xxx=370-390, in steps of 5, 132 cells)

MMxxx-78HLA-MB-MBB,
(xxx=440-465, in steps of 5, 156 cells)
MMxxx-66HLA-MB-MBB,
(xxx=370-390, in steps of 5, 132 cells)

JKMxxxN-78HL4,
JKMxxxN-78HL4-J,
JKMxxxN-78HL4R
(xxx=570-650, in steps of 5, 156 cells)

JKMxxxN-72HL4,
JKMxxxN-72HL4-J,
JKMxxxN-72HL4R
(xxx=485-615, in steps of 5, 144 cells)
JKMxxxN-66HL4,
(xxx=445-525, in steps of 5, 132 cells)

JKMxxxN-60HL4,
JKMxxxN-60HL4-J,
JKMxxxN-60HL4R
(xxx=405-510, in steps of 5, 120 cells)
JKMxxxN-54HL4,
JKMxxxN-54HL4R
(xxx=365-455, in steps of 5, 108 cells)

MNxxx-72HLD-MB,
(xxx=485-555, in steps of 5, 144 cells)
MNxxx-66HLD-MB,
(xxx=445-505, in steps of 5, 132 cells)

MNxxx-60HLD-MB,
(xxx=405-460, in steps of 5, 120 cells)
MNxxx-54HLD-MB,
(xxx=365-415, in steps of 5, 108 cells)

JKMxxxN-7RL4,
(xxx=535-590, in steps of 5, 156 cells)
JKMxxxN-7TL4,
JKMxxxN-7TL4R
(xxx=495-600, in steps of 5, 144 cells)

JKMxxxN-6RL4,
(xxx=455-495, in steps of 5, 132 cells)

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JKMxxxN-6TL4,
(xxx=415-450, in steps of 5, 120 cells)

JKMxxxN-5RL4,
(xxx=375-460, in steps of 5, 108 cells)

MNxxx-7RLD-MB,
(xxx=535-590, in steps of 5, 156 cells)
MNxxx-7TLD-MB,
(xxx=495-540, in steps of 5, 144 cells)

MNxxx-6RLD-MB,
(xxx=455-495, in steps of 5, 132 cells)
MNxxx-6TLD-MB,
(xxx=415-450, in steps of 5, 120 cells)

MNxxx-5RLD-MB,
(xxx=375-405, in steps of 5, 108 cells)

JKMxxxM-72HL4-B,
(xxx=510-535, in steps of 5, 144 cells)
JKMxxxM-66HL4-B,
(xxx=465-490, in steps of 5, 132 cells)

JKMxxxM-60HL4-B,
(xxx=425-445, in steps of 5, 120 cells)
JKMxxxM-54HL4-B,
(xxx=380-425, in steps of 5, 108 cells)

JKMxxxN-72HL4-B,
(xxx=510-535, in steps of 5, 144 cells)
JKMxxxN-66HL4-B,
(xxx=465-490, in steps of 5, 132 cells)

JKMxxxN-60HL4-B,
(xxx=425-470, in steps of 5, 120 cells)
JKMxxxN-54HL4-B,
JKMxxxN-54HL4R-B
(xxx=380-450, in steps of 5, 108 cells)

JKMxxxM-7RL4-B,
(xxx=540-575, in steps of 5, 156 cells)
JKMxxxM-7TL4-B,
(xxx=495-530, in steps of 5, 144 cells)

JKMxxxM-6RL4-B,
(xxx=455-485, in steps of 5, 132 cells)
JKMxxxM-6TL4-B,
(xxx=415-440, in steps of 5, 120 cells)

JKMxxxM-5RL4-B,
(xxx=375-430, in steps of 5, 108 cells)

JKMxxxN-7RL4-B,
(xxx=540-575, in steps of 5, 156 cells)
JKMxxxN-7TL4-B,
(xxx=495-530, in steps of 5, 144 cells)

JKMxxxN-6RL4-B,
(xxx=455-485, in steps of 5, 132 cells)
JKMxxxN-6TL4-B,
(xxx=415-440, in steps of 5, 120 cells)

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TUV®



Product Service

Attestation of Conformity

No. E8A 118443 0007 Rev. 02

JKMxxxN-5RL4-B,
(xxx=375-455, in steps of 5, 108 cells)

JKMxxxN-72HL3-MBB-B,
(xxx=400-445, in steps of 5, 144 cells)
JKMxxxN-60HL3-MBB-B,
(xxx=330-370, in steps of 5, 120 cells)

JKMxxxN-48HL3-MBB-B,
(xxx=270-295, in steps of 5, 96 cells)
JKMxxxN-32HL3-MBB-B,
(xxx=180-195, in steps of 5, 64 cells)

JKMxxxM-72HLM-B,
JKMSxxxM-72HLM-B-MX3,
(xxx=415-445, in steps of 5, 144 cells)
JKMxxxM-60HLM-B,
JKMSxxxM-60HLM-B-MX3,
(xxx=350-370, in steps of 5, 120 cells)

JKxxxM-66R5-MW,
(xxx=630-665, in steps of 5, 132 cells)
JKxxxM-66H5-MW,
(xxx=635-670, in steps of 5, 132 cells)

JKMxxxM-36H,
(xxx=195-205, in steps of 5, 72 cells)

JKMxxxN-66HL4M
(xxx=600-620, in steps of 5, 132 cells)

Description of Object:

Maximum Power (Pmax):	460W or 670W
Maximum System Voltage:	1000V DC or 1500V DC
Protection Class:	II

Tested according to:

EN IEC 61000-6-3:2021
EN IEC 61000-6-1:2019

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TUV®



Product Service

Attestation of Conformity

No. N8A 118443 0004 Rev. 08

Holder of Attestation: **Jinko Solar Co., Ltd.**
 No.1, Yingbin Road, Economic Development Zone
 334100 Shangrao City, Jiangxi
 PEOPLE'S REPUBLIC OF CHINA

Product: **Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**
Crystalline Silicon Photovoltaic Module

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for conformity assessment. For details see: www.tuvsud.com/ps-cert

Test report no.: 704062217001-17

Date, 2024-07-24

(Zhulin Zhang)

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Product Service

Attestation of Conformity

No. N8A 118443 0004 Rev. 08

Model(s):

1500VDC system voltage:
JKMxxxM-78H-TV, (xxx=405-455, in steps of 5, 156 cells)
JKMxxxM-66H-TV, (xxx=340-385, in steps of 5, 132 cells)
JKMxxxM-72-V, JKMxxxM-72B-V, JKMxxxM-72(Plus)-V, JKMxxxM-72L-V,
JKMxxxM-72BL-V, JKMSxxxM-72-V, JKMSxxxM-72-V-J, JKMSxxxM-72-V-TI,
JKMSxxxM-72L-V-TI, JKMSxxxM-72B-V-TI, JKMSxxxM-72BL-V-TI
(xxx=335-410, in steps of 5, 72 cells)
JKMxxxM-60-V, JKMxxxM-60B-V, JKMxxxM-60(Plus)-V, JKMxxxM-60L-V,
JKMxxxM-60BL-V, JKMSxxxM-60-V, JKMSxxxM-60-V-J, JKMSxxxM-60-V-TI,
JKMSxxxM-60L-V-TI, JKMSxxxM-60B-V-TI, JKMSxxxM-60BL-V-TI (xxx=270-
340, in steps of 5, 60 cells)
JKMxxxM-72H-V, JKMxxxM-72HL-V, JKMxxxM-72HB-V, JKMxxxM-72HBL-V,
JKMSxxxM-72H-V-TI, JKMSxxxM-72HL-V-TI, JKMSxxxM-72HB-V-TI,
JKMSxxxM-72HBL-V-TI (xxx=335-425, in steps of 5, 144 cells)
JKMxxxM-60H-V, JKMxxxM-60HL-V, JKMxxxM-60HB-V, JKMxxxM-60HBL-V,
JKMSxxxM-60H-V-TI, JKMSxxxM-60HL-V-TI, JKMSxxxM-60HB-V-TI,
JKMSxxxM-60HBL-V-TI (xxx=270-350, in steps of 5, 120 cells)
MMxxx-72LA-MBV, MMxxx-72LA-ABV, SMMxxx-72LA-MBV,
SMMxxx-72LA-MBV-TI, SMMxxx-72LA-ABV-TI
(xxx=335-410, in steps of 5, 72 cells)
MMxxx-60LA-MBV, MMxxx-60LA-ABV, SMMxxx-60LA-MBV-TI,
SMMxxx-60LA-ABV-TI (xxx=270-340, in steps of 5, 60 cells)
JKMxxxM-72HL-V-Q, JKMSxxxM-72HL-V-TI-Q, MMxxx-72HLA-MBV,
MMxxx-72HLA-ABV, SMMxxx-72HLA-MBV-TI, SMMxxx-72HLA-ABV-TI
(xxx=335-425, in steps of 5, 144 cells)
JKMxxxM-60HL-V-Q, JKMSxxxM-60HL-V-TI-Q, MMxxx-60HLA-MBV,
MMxxx-60HLA-ABV, SMMxxx-60HLA-MBV-TI, SMMxxx-60HLA-ABV-TI
(xxx=270-350, in steps of 5, 120 cells)
JKMxxxPP-72-V, JKMxxxPP-72B-V, JKMxxxPP-72(Plus)-V, JKMSxxxPP-72-V,
JKMSxxxPP-72-V-J (xxx=320-355, in steps of 5, 72 cells)
JKMxxxPP-60-V, JKMxxxPP-60B-V, JKMxxxPP-60(Plus)-V, JKMSxxxPP-60-V,
JKMSxxxPP-60-V-J (xxx=260-290, in steps of 5, 60 cells)
JKMxxxPP-72H-V, JKMxxxPP-72HB-V (xxx=330-380, in steps of 5, 144 cells)
JKMxxxPP-60H-V, JKMxxxPP-60HB-V (xxx=260-315, in steps of 5, 120 cells)
JKMxxxM-72H-TV, JKMxxxM-72HL-TV (xxx=375-425, in steps of 5, 144 cells)
JKMxxxM-60H-TV, JKMxxxM-60HL-TV (xxx=315-355, in steps of 5, 120 cells)
JKMxxxM-72HL-TV-Q, MMxxx-72HLA-BBV
(xxx=375-425, in steps of 5, 144 cells)
JKMxxxM-60HL-TV-Q, MMxxx-60HLA-BBV
(xxx=315-355, in steps of 5, 120 cells)
JKMxxxN-72H-TV, JKMxxxN-72HL-TV (xxx=375-425, in steps of 5, 144 cells)
JKMxxxN-60H-TV, JKMxxxN-60HL-TV (xxx=315-355, in steps of 5, 120 cells)
JKMSxxxM-72-V-MX3, JKMSxxxM-72B-V-MX3, JKMSxxxM-72L-V-MX3,
JKMSxxxM-72BL-V-MX3 (xxx=335-395, in steps of 5, 72 cells)
JKMSxxxM-60-V-MX3, JKMSxxxM-60B-V-MX3, JKMSxxxM-60L-V-MX3,
JKMSxxxM-60BL-V-MX3 (xxx=270-340, in steps of 5, 60 cells)
SMMxxx-72LA-MBV-MX3, SMMxxx-72LA-ABV-MX3
(xxx=335-395, in steps of 5, 72 cells)
SMMxxx-60LA-MBV-MX3, SMMxxx-60LA-ABV-MX3
(xxx=270-340, in steps of 5, 60 cells)
JKMSxxxM-72H-V-MX3, JKMSxxxM-72HB-V-MX3, JKMSxxxM-72HL-V-MX3,
JKMSxxxM-72HBL-V-MX3 (xxx=335-395, in steps of 5, 144 cells)
JKMSxxxM-60H-V-MX3, JKMSxxxM-60HB-V-MX3, JKMSxxxM-60HL-V-MX3,
JKMSxxxM-60HBL-V-MX3 (xxx=270-340, in steps of 5, 120 cells)
JKMSxxxM-72HL-V-MX3-Q, SMMxxx-72HLA-MBV-MX3,
SMMxxx-72HLA-ABV-MX3 (xxx=335-395, in steps of 5, 144 cells)
JKMSxxxM-60HL-V-MX3-Q, SMMxxx-60HLA-MBV-MX3,
SMMxxx-60HLA-ABV-MX3 (xxx=270-340, in steps of 5, 120 cells)
JKMSxxxPP-72-V-MX3, JKMSxxxPP-72B-V-MX3, JKMSxxxPP-72L-V-MX3,
JKMSxxxPP-72BL-V-MX3 (xxx=320-355, in steps of 5, 72 cells)
JKMSxxxPP-60-V-MX3, JKMSxxxPP-60B-V-MX3, JKMSxxxPP-60L-V-MX3,
JKMSxxxPP-60BL-V-MX3 (xxx=260-290, in steps of 5, 60 cells)

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Product Service

Attestation of Conformity

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JKMSxxxPP-72H-V-MX3, JKMSxxxPP-72HB-V-MX3, JKMSxxxPP-72HL-V-MX3,
 JKMSxxxPP-72HBL-V-MX3 (xxx=330-380, in steps of 5, 144 cells)
 JKMSxxxPP-60H-V-MX3, JKMSxxxPP-60HB-V-MX3, JKMSxxxPP-60HL-V-MX3,
 JKMSxxxPP-60HBL-V-MX3 (xxx=260-315, in steps of 5, 120 cells)
 JKMxxxN-72H-MBB-TV (xxx=390-420, in steps of 5, 144 cells)
 JKMxxxN-60H-MBB-TV (xxx=330-350, in steps of 5, 120 cells)
 MNxxx-72HLA-BBV-MBB (xxx=390-420, in steps of 5, 144 cells)
 MNxxx-60HLA-BBV-MBB (xxx=330-350, in steps of 5, 120 cells)
 JKMxxxM-72H-MBB-TV (xxx=385-405, in steps of 5, 144 cells)
 JKMxxxM-60H-MBB-TV (xxx=320-335, in steps of 5, 120 cells)
 MM-72HLA-BBV-MBB, MMxxx-72HLA-BBV-MBB
 (xxx=385-405, in steps of 5, 144 cells)
 MM-60HLA-BBV-MBB, MMxxx-60HLA-BBV-MBB
 (xxx=320-335, in steps of 5, 120 cells)
 JKMxxxM-72H-MBB-V, JKMSxxxM-72H-MBB-V-TI, JKMSxxxM-72H-MBB-V-
 MX3 (xxx=385-425, in steps of 5, 144 cells)
 JKMxxxM-60H-MBB-V, JKMSxxxM-60H-MBB-V-TI, JKMSxxxM-60H-MBB-V-
 MX3 (xxx=320-355, in steps of 5, 120 cells)
 MM-72HLA-MBV-MBB, SMM-72HLA-MBV-MBB-TI, MMxxx-72HLA-MBV-MBB,
 SMMxxx-72HLA-MBV-MBB-TI (xxx=385-425, in steps of 5, 144 cells)
 MM-60HLA-MBV-MBB, SMM-60HLA-MBV-MBB-TI, MMxxx-60HLA-MBV-MBB,
 SMMxxx-60HLA-MBV-MBB-TI (xxx=320-355, in steps of 5, 120 cells)
 JKSN3-DCCA-xxx (xxx=410-440, in steps of 5, 156 cells)
 JKSN3-CCCA-xxx (xxx=345-370, in steps of 5, 132 cells)
 JKSM3-DCCA-xxx (xxx=400-450, in steps of 5, 156 cells)
 JKSM3-CCCA-xxx (xxx=340-380, in steps of 5, 132 cells)
 JKSM3-DACA-xxx (xxx=400-440, in steps of 5, 156 cells)
 JKSM3-CACA-xxx (xxx=335-370, in steps of 5, 132 cells)
 JKMxxxM-78H-V, JKMSxxxM-78H-V-TI (xxx=405-465, in steps of 5, 156 cells)
 JKMxxxM-66H-V, JKMSxxxM-66H-V-TI (xxx=340-390, in steps of 5, 132 cells)
 JKMxxxM-78H-V-Q, JKMSxxxM-78H-V-TI-Q, MMxxx-78HLA-MBV,
 SMMxxx-78HLA-MBV-TI (xxx=405-465, in steps of 5, 156 cells)
 JKMxxxM-66H-V-Q, JKMSxxxM-66H-V-TI-Q, MMxxx-66HLA-MBV,
 SMMxxx-66HLA-MBV-TI (xxx=340-390, in steps of 5, 132 cells)
 JKMxxxM-78HB-V, JKMSxxxM-78HB-V-TI (xxx=405-435, in steps of 5, 156
 cells)
 JKMxxxM-66HB-V, JKMSxxxM-66HB-V-TI (xxx=340-365, in steps of 5, 132
 cells)
 MMxxx-78HLA-ABV, SMMxxx-78HLA-ABV-TI
 (xxx=405-435, in steps of 5, 156 cells)
 MMxxx-66HLA-ABV, SMMxxx-66HLA-ABV-TI
 (xxx=340-365, in steps of 5, 132 cells)
 JKMxxxM-78H-TV-Q, MMxxx-78HLA-BBV (xxx=405-455, in steps of 5, 156
 cells)
 JKMxxxM-66H-TV-Q, MMxxx-66HLA-BBV (xxx=340-385, in steps of 5, 132
 cells)
 JKMxxxN-78H-TV (xxx=410-460, in steps of 5, 156 cells)
 JKMxxxN-66H-TV (xxx=345-385, in steps of 5, 132 cells)
 JKMxxxM-7RL3-V, JKMxxxM-7RL3-V-J, JKMSxxxM-7RL3-V-TI,
 JKMxxxM-7RL3-S-V, JKMxxxM-7RL3-S-V-J
 (xxx=430-495, in steps of 5, 156 cells)
 JKMxxxM-6RL3-V, JKMxxxM-6RL3-V-J, JKMSxxxM-6RL3-V-TI,
 JKMxxxM-6RL3-S-V, JKMxxxM-6RL3-S-V-J, JKMSxxxM-6RL3-V-MX3
 (xxx=360-415, in steps of 5, 132 cells)
 JKMxxxM-6TL3-V, JKMSxxxM-6TL3-V-TI, JKMxxxM-6TL3-S-V,
 JKMSxxxM-6TL3-V-MX3 (xxx=335-380, in steps of 5, 120 cells)
 MMxxx-7RLC-MBV, SMMxxx-7RLC-MBV-TI
 (xxx=430-475, in steps of 5, 156 cells)
 MMxxx-6RLC-MBV, SMMxxx-6RLC-MBV-TI
 (xxx=360-400, in steps of 5, 132 cells)
 MMxxx-6TLC-MBV, SMMxxx-6TLC-MBV-TI
 (xxx=335-365, in steps of 5, 120 cells)

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Product Service

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JKMxxxN-7RL3-V, JKMxxxN-7RL3-V-J, JKMSxxxN-7RL3-V-TI
(xxx=430-500, in steps of 5, 156 cells)
JKMxxxN-6RL3-V, JKMxxxN-6RL3-V-J, JKMSxxxN-6RL3-V-TI,
JKMSxxxN-6RL3-V-MX3 (xxx=360-420, in steps of 5, 132 cells)
JKMxxxN-6TL3-V, JKMSxxxN-6TL3-V-TI, JKMSxxxN-6TL3-V-MX3
(xxx=335-390, in steps of 5, 120 cells)
MNxxx-7RLC-MBV, SMNxxx-7RLC-MBV-TI
(xxx=430-475, in steps of 5, 156 cells)
MNxxx-6RLC-MBV, SMNxxx-6RLC-MBV-TI
(xxx=360-400, in steps of 5, 132 cells)
MNxxx-6TLC-MBV, SMNxxx-6TLC-MBV-TI
(xxx=335-365, in steps of 5, 120 cells)
JKMxxxM-7RL3-TV, JKMxxxM-7RL3-TV-J, JKMxxxM-7RL3-S-TV,
JKMxxxM-7RL3-S-TV-J (xxx=420-475, in steps of 5, 156 cells)
JKMxxxM-6RL3-TV, JKMxxxM-6RL3-TV-J, JKMxxxM-6RL3-S-TV,
JKMxxxM-6RL3-S-TV-J (xxx=355-400, in steps of 5, 132 cells)
JKMxxxM-6TL3-TV, JKMxxxM-6TL3-S-TV (xxx=325-365, in steps of 5, 120
cells)
MMxxx-7RLC-BBV (xxx=420-475, in steps of 5, 156 cells)
MMxxx-6RLC-BBV (xxx=355-400, in steps of 5, 132 cells)
MMxxx-6TLC-BBV (xxx=325-365, in steps of 5, 120 cells)
JKMxxxN-7RL3-TV, JKMxxxN-7RL3-TV-J, JKMxxxN-7RL3-S-TV,
JKMxxxN-7RL3-S-TV-J (xxx=425-500, in steps of 5, 156 cells)
JKMxxxN-6RL3-TV, JKMxxxN-6RL3-TV-J, JKMxxxN-6RL3-S-TV,
JKMxxxN-6RL3-S-TV-J (xxx=355-420, in steps of 5, 132 cells)
JKMxxxN-6TL3-TV, JKMxxxN-6TL3-S-TV (xxx=325-380, in steps of 5, 120
cells)
MNxxx-7RLC-BBV (xxx=425-475, in steps of 5, 156 cells)
MNxxx-6RLC-BBV (xxx=355-400, in steps of 5, 132 cells)
MNxxx-6TLC-BBV (xxx=325-365, in steps of 5, 120 cells)
JKMxxxN-72H-MBB-V, JKMSxxxN-72H-MBB-V-TI (xxx=385-425, in steps of 5,
144 cells)
JKMxxxN-60H-MBB-V, JKMSxxxN-60H-MBB-V-TI (xxx=320-350, in steps of 5,
120 cells)
MNxxx-72HLA-MBV-MBB, SMNxxx-72HLA-MBV-MBB-TI
(xxx=385-425, in steps of 5, 144 cells)
MNxxx-60HLA-MBV-MBB, SMNxxx-60HLA-MBV-MBB-TI
(xxx=320-350, in steps of 5, 120 cells)
JKMxxxM-7RL3-B-V, JKMxxxM-7RL3-S-B-V, JKMSxxxM-7RL3-B-V-TI
(xxx=425-480, in steps of 5, 156 cells)
JKMxxxM-6RL3-B-V, JKMxxxM-6RL3-S-B-V, JKMSxxxM-6RL3-B-V-TI
(xxx=360-405, in steps of 5, 132 cells)
JKMxxxM-6TL3-B-V, JKMxxxM-6TL3-S-B-V, JKMSxxxM-6TL3-B-V-TI
(xxx=320-365, in steps of 5, 120 cells)
MMxxx-7RLC-ABV, SMMxxx-7RLC-ABV-TI (xxx=425-480, in steps of 5, 156
cells)
MMxxx-6RLC-ABV, SMMxxx-6RLC-ABV-TI (xxx=360-405, in steps of 5, 132
cells)
MMxxx-6TLC-ABV, SMMxxx-6TLC-ABV-TI (xxx=320-365, in steps of 5, 120
cells)
JKMxxxN-7RL3-B-V, JKMSxxxN-7RL3-B-V-TI, JKMxxxN-7RL3-S-B-V
(xxx=425-480, in steps of 5, 156 cells)
JKMxxxN-6RL3-B-V, JKMSxxxN-6RL3-B-V-TI, JKMxxxN-6RL3-S-B-V
(xxx=360-405, in steps of 5, 132 cells)
JKMxxxN-6TL3-B-V, JKMSxxxN-6TL3-B-V-TI, JKMxxxN-6TL3-S-B-V
(xxx=320-365, in steps of 5, 120 cells)
MNxxx-7RLC-ABV, SMNxxx-7RLC-ABV-TI (xxx=425-480, in steps of 5, 156
cells)
MNxxx-6RLC-ABV, SMNxxx-6RLC-ABV-TI (xxx=360-405, in steps of 5, 132
cells)
MNxxx-6TLC-ABV, SMNxxx-6TLC-ABV-TI (xxx=320-365, in steps of 5, 120
cells)

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Product Service

Attestation of Conformity

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JKMxxxN-72H-MBB-B-V, JKMSxxxN-72H-MBB-B-V-TI
(xxx=380-400, in steps of 5, 144 cells)
JKMxxxN-60H-MBB-B-V, JKMSxxxN-60H-MBB-B-V-TI
(xxx=315-330, in steps of 5, 120 cells)
MNxxx-72HLA-ABV-MBB, SMNxxx-72HLA-ABV-MBB-TI
(xxx=380-400, in steps of 5, 144 cells)
MNxxx-60HLA-ABV-MBB, SMNxxx-60HLA-ABV-MBB-TI
(xxx=315-330, in steps of 5, 120 cells)
JKMxxxM-72HLM-V, JKMSxxxM-72HLM-V-MX3
(xxx=420-465, in steps of 5, 144 cells)
JKMxxxM-60HLM-V, JKMSxxxM-60HLM-V-MX3
(xxx=350-385, in steps of 5, 120 cells)
MMxxx-72HLM-MBV (xxx=420-465, in steps of 5, 144 cells)
MMxxx-60HLM-MBV (xxx=350-385, in steps of 5, 120 cells)
JKMxxxM-78H-MBB-V, JKMSxxxM-78H-MBB-V-MX3
(xxx=440-465, in steps of 5, 156 cells)
JKMxxxM-66H-MBB-V, JKMSxxxM-66H-MBB-V-MX3
(xxx=370-390, in steps of 5, 132 cells)
MM-78HLA-MBV-MBB, MMxxx-78HLA-MBV-MBB
(xxx=440-465, in steps of 5, 156 cells)
MM-66HLA-MBV-MBB, MMxxx-66HLA-MBV-MBB
(xxx=370-390, in steps of 5, 132 cells)
JKMxxxM-78HL4-V, JKMxxxM-78HL4-S-V (xxx=565-605, in steps of 5, 156 cells)
JKMxxxM-72HL4-V, JKMxxxM-72HL4-V-J, JKMxxxM-72HL4-S-V, JKMxxxM-72HL4-S-V-J (xxx=475-585, in steps of 5, 144 cells)
JKMxxxM-66HL4-V, JKMxxxM-66HL4-S-V (xxx=440-505, in steps of 5, 132 cells)
JKMxxxM-60HL4-V, JKMxxxM-60HL4-S-V (xxx=400-485, in steps of 5, 120 cells)
JKMxxxM-54HL4-V, JKMxxxM-54HL4-S-V (xxx=360-430, in steps of 5, 108 cells)
MMxxx-78HLD-MBV (xxx=565-605, in steps of 5, 156 cells)
MMxxx-72HLD-MBV (xxx=475-570, in steps of 5, 144 cells)
MMxxx-66HLD-MBV (xxx=440-505, in steps of 5, 132 cells)
MMxxx-60HLD-MBV (xxx=400-470, in steps of 5, 120 cells)
MMxxx-54HLD-MBV (xxx=360-420, in steps of 5, 108 cells)
JKMxxxM-78HL4-TV, JKMxxxM-78HL4-S-TV
(xxx=555-595, in steps of 5, 156 cells)
JKMxxxM-72HL4-TV, JKMxxxM-72HL4-TV-J, JKMxxxM-72HL4-S-TV, JKMxxxM-72HL4-S-TV-J (xxx=475-580, in steps of 5, 144 cells)
JKMxxxM-66HL4-TV, JKMxxxM-66HL4-S-TV
(xxx=440-500, in steps of 5, 132 cells)
JKMxxxM-60HL4-TV, JKMxxxM-60HL4-S-TV
(xxx=400-455, in steps of 5, 120 cells)
JKMxxxM-54HL4-TV, JKMxxxM-54HL4-S-TV
(xxx=360-410, in steps of 5, 108 cells)
JKMxxxM-7RL4-V, JKMxxxM-7RL4-V-J (xxx=535-590, in steps of 5, 156 cells)
JKMxxxM-7TL4-V, JKMxxxM-7TL4-V-J (xxx=495-570, in steps of 5, 144 cells)
JKMxxxM-6RL4-V (xxx=455-495, in steps of 5, 132 cells)
JKMxxxM-6TL4-V (xxx=415-450, in steps of 5, 120 cells)
JKMxxxM-5RL4-V (xxx=375-435, in steps of 5, 108 cells)
MMxxx-7RLD-MBV (xxx=535-590, in steps of 5, 156 cells)
MMxxx-7TLD-MBV (xxx=495-540, in steps of 5, 144 cells)
MMxxx-6RLD-MBV (xxx=455-495, in steps of 5, 132 cells)
MMxxx-6TLD-MBV (xxx=415-450, in steps of 5, 120 cells)
MMxxx-5RLD-MBV (xxx=375-405, in steps of 5, 108 cells)
JKMxxxM-7RL4-TV, JKMxxxM-7RL4-TV-J (xxx=525-590, in steps of 5, 156 cells)
JKMxxxM-7TL4-TV, JKMxxxM-7TL4-TV-J (xxx=485-570, in steps of 5, 144 cells)
JKMxxxM-6RL4-TV (xxx=445-495, in steps of 5, 132 cells)

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JKMxxxM-6TL4-TV (xxx=405-450, in steps of 5, 120 cells)
 JKMxxxM-5RL4-TV (xxx=365-405, in steps of 5, 108 cells)
 JKMxxxN-78HL4-V, JKMxxxN-78HL4-V-J, JKMxxxN-78HL4R-V
 (xxx=570-650, in steps of 5, 156 cells)
 JKMxxxN-72HL4-V (xxx=485-615, in steps of 5, 144 cells)
 JKMxxxN-72HL4-V-J (xxx=485-615, in steps of 5, 144 cells)
 JKMxxxN-72HL4R-V (xxx=485-615, in steps of 5, 144 cells)
 JKMxxxN-72HL4-V-L (xxx=485-615, in steps of 5, 144 cells)
 JKMxxxN-66HL4-V (xxx=445-525, in steps of 5, 132 cells)
 JKMxxxN-60HL4-V (xxx=405-510, in steps of 5, 120 cells)
 JKMxxxN-60HL4-V-J (xxx=405-510, in steps of 5, 120 cells)
 JKMxxxN-60HL4R-V (xxx=405-510, in steps of 5, 120 cells)
 JKMxxxN-60HL4-V-L (xxx=405-510, in steps of 5, 120 cells)
 JKMxxxN-54HL4-V, JKMxxxN-54HL4R-V, JKMxxxN-54HL4R-V-L,
 (xxx=365-455, in steps of 5, 108 cells)
 MNxxx-72HLD-MBV (xxx=485-555, in steps of 5, 144 cells)
 MNxxx-66HLD-MBV (xxx=445-505, in steps of 5, 132 cells)
 MNxxx-60HLD-MBV (xxx=405-460, in steps of 5, 120 cells)
 MNxxx-54HLD-MBV (xxx=365-415, in steps of 5, 108 cells)
 JKMxxxN-78HL4-TV, JKMxxxN-78HL4R-TV (xxx=570-645, in steps of 5, 156 cells)
 JKMxxxN-72HL4-TV (xxx=480-605, in steps of 5, 144 cells)
 JKMxxxN-72HL4R-TV (xxx=480-605, in steps of 5, 144 cells)
 JKMxxxN-66HL4-TV (xxx=440-525, in steps of 5, 132 cells)
 JKMxxxN-60HL4-TV (xxx=400-480, in steps of 5, 120 cells)
 JKMxxxN-54HL4-TV, (xxx=360-430, in steps of 5, 108 cells)
 MNxxx72HLD-BBV (xxx=480-545, in steps of 5, 144 cells)
 MNxxx66HLD-BBV (xxx=440-495, in steps of 5, 132 cells)
 MNxxx60HLD-BBV (xxx=400-450, in steps of 5, 120 cells)
 MNxxx54HLD-BBV (xxx=360-405, in steps of 5, 108 cells)
 JKMxxxN-7RL4-V (xxx=535-590, in steps of 5, 156 cells)
 JKMxxxN-7TL4-V (xxx=495-600, in steps of 5, 144 cells)
 JKMxxxN-7TL4R-V (xxx=495-600, in steps of 5, 144 cells)
 JKMxxxN-6RL4-V (xxx=455-495, in steps of 5, 132 cells)
 JKMxxxN-6TL4-V (xxx=415-450, in steps of 5, 120 cells)
 JKMxxxN-5RL4-V (xxx=375-460, in steps of 5, 108 cells)
 MNxxx7RLD-MBV (xxx=535-590, in steps of 5, 156 cells)
 MNxxx7TLD-MBV (xxx=495-540, in steps of 5, 144 cells)
 MNxxx6RLD-MBV (xxx=455-495, in steps of 5, 132 cells)
 MNxxx6TLD-MBV (xxx=415-450, in steps of 5, 120 cells)
 MNxxx5RLD-MBV (xxx=375-405, in steps of 5, 108 cells)
 JKMxxxN-7RL4-TV (xxx=520-585, in steps of 5, 156 cells)
 JKMxxxN-7TL4-TV (xxx=480-590, in steps of 5, 144 cells)
 JKMxxxN-7TL4R-TV (xxx=480-590, in steps of 5, 144 cells)
 JKMxxxN-6RL4-TV (xxx=440-495, in steps of 5, 132 cells)
 JKMxxxN-6TL4-TV (xxx=400-450, in steps of 5, 120 cells)
 JKMxxxN-5RL4-TV (xxx=365-405, in steps of 5, 108 cells)
 MNxxx7RLD-BBV (xxx=520-585, in steps of 5, 156 cells)
 MNxxx7TLD-BBV (xxx=480-540, in steps of 5, 144 cells)
 MNxxx6RLD-BBV (xxx=440-495, in steps of 5, 132 cells)
 MNxxx6TLD-BBV (xxx=400-450, in steps of 5, 120 cells)
 MNxxx5RLD-BBV (xxx=365-405, in steps of 5, 108 cells)
 JKMxxxM-72HL4-B-V, JKMxxxM-72HL4-S-B-V
 (xxx=510-535, in steps of 5, 144 cells)
 JKMxxxM-66HL4-B-V, JKMxxxM-66HL4-S-B-V
 (xxx=465-490, in steps of 5, 132 cells)
 JKMxxxM-60HL4-B-V, JKMxxxM-60HL4-S-B-V
 (xxx=425-445, in steps of 5, 120 cells)
 JKMxxxM-54HL4-B-V, JKMxxxM-54HL4-S-B-V
 (xxx=380-400, in steps of 5, 108 cells)
 JKMxxxN-72HL4-B-V (xxx=510-535, in steps of 5, 144 cells)

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JKMxxxN-66HL4-B-V (xxx=465-490, in steps of 5, 132 cells)
 JKMxxxN-60HL4-B-V (xxx=425-445, in steps of 5, 120 cells)
 JKMxxxN-54HL4-B-V (xxx=380-400, in steps of 5, 108 cells)
 JKMxxxM-7RL4-B-V (xxx=540-575, in steps of 5, 156 cells)
 JKMxxxM-7TL4-B-V (xxx=495-530, in steps of 5, 144 cells)
 JKMxxxM-6RL4-B-V (xxx=455-485, in steps of 5, 132 cells)
 JKMxxxM-6TL4-B-V (xxx=415-440, in steps of 5, 120 cells)
 JKMxxxM-5RL4-B-V (xxx=375-395, in steps of 5, 108 cells)
 JKMxxxN-7RL4-B-V (xxx=540-575, in steps of 5, 156 cells)
 JKMxxxN-7TL4-B-V (xxx=495-530, in steps of 5, 144 cells)
 JKMxxxN-6RL4-B-V (xxx=455-485, in steps of 5, 132 cells)
 JKMxxxN-6TL4-B-V (xxx=415-440, in steps of 5, 120 cells)
 JKMxxxM-5RL4-B-V (xxx=375-395, in steps of 5, 108 cells)
 JKMxxxM-72HLM-TV (xxx=425-460, in steps of 5, 144 cells)
 JKMxxxM-60HLM-TV (xxx=355-380, in steps of 5, 120 cells)
 JKMxxxM-72HLM-B-V, JKMSxxxM-72HLM-B-V-MX3
 (xxx=415-445, in steps of 5, 144 cells)
 JKMxxxM-60HLM-B-V, JKMSxxxM-60HLM-B-V-MX3
 (xxx=350-370, in steps of 5, 120 cells)
 JKxxxM-66R5-MWV (xxx=630-665, in steps of 5, 132 cells)
 JKxxxM-66R5-BTV (xxx=630-660, in steps of 5, 132 cells)
 JKxxxM-66H5-MWV (xxx=635-670, in steps of 5, 132 cells)
 JKxxxM-66H5-BTV (xxx=630-665, in steps of 5, 132 cells)
 JKxxxN-66H5-BTV (xxx=625-700, in steps of 5, 132 cells)
 JKxxxN-66H5-MWV (xxx=630-695, in steps of 5, 132 cells)
 JKMxxxN-66HL4M-V, JKMxxxN-66HL4M-V-L
 (xxx=600-620, in steps of 5, 132 cells)
 JKBWxxxN-72HL4-V (xxx=485-615, in steps of 5, 144 cells)

1000VDC system voltage:

JKMxxxM-72, JKMxxxM-72(Plus), JKMxxxM-72L, JKMxxxM-72B,
 JKMxxxM-72BL, JKMSxxxM-72, JKMSxxxM-72-J, JKMSxxxM-72-TI,
 JKMSxxxM-72L-TI, JKMSxxxM-72B-TI, JKMSxxxM-72BL-TI
 (xxx=335-410, in steps of 5, 72 cells)
 JKMxxxM-60, JKMxxxM-60(Plus), JKMxxxM-60L, JKMxxxM-60B,
 JKMxxxM-60BL, JKMSxxxM-60, JKMSxxxM-60-J, JKMSxxxM-60-TI,
 JKMSxxxM-60L-TI, JKMSxxxM-60B-TI, JKMSxxxM-60BL-TI
 (xxx=270-340, in steps of 5, 60 cells)
 MMxxx-72LA-MB, MMxxx-72LA-AB, SMMxxx-72LA-MB, SMMxxx-72LA-MB-TI,
 SMMxxx-72LA-AB-TI (xxx=335-410, in steps of 5, 72 cells)
 MMxxx-60LA-MB, MMxxx-60LA-AB, SMMxxx-60LA-MB-TI, SMMxxx-60LA-AB-
 TI (xxx=270-340, in steps of 5, 60 cells)
 JKMxxxM-72H, JKMxxxM-72HL, JKMxxxM-72HB, JKMxxxM-72HBL,
 JKMSxxxM-72H-TI, JKMSxxxM-72HL-TI, JKMSxxxM-72HB-TI,
 JKMSxxxM-72HBL-TI (xxx=335-425, in steps of 5, 144 cells)
 JKMxxxM-60H, JKMxxxM-60HL, JKMxxxM-60HB, JKMxxxM-60HBL,
 JKMSxxxM-60H-TI, JKMSxxxM-60HL-TI, JKMSxxxM-60HB-TI,
 JKMSxxxM-60HBL-TI (xxx=270-350, in steps of 5, 120 cells)
 MMxxx-72HLA-MB, MMxxx-72HLA-AB, SMMxxx-72HLA-MB-TI,
 SMMxxx-72HLA-AB-TI (xxx=335-425, in steps of 5, 144 cells)
 MMxxx-60HLA-MB, MMxxx-60HLA-AB, SMMxxx-60HLA-MB-TI,
 SMMxxx-60HLA-AB-TI (xxx=270-350, in steps of 5, 120 cells)
 JKMxxxM-72HL-Q, JKMxxxM-72HBL-Q, JKMSxxxM-72HL-TI-Q,
 JKMSxxxM-72HBL-TI-Q (xxx=335-425, in steps of 5, 144 cells)
 JKMxxxM-60HL-Q, JKMxxxM-60HBL-Q, JKMSxxxM-60HL-TI-Q,
 JKMSxxxM-60HBL-TI-Q (xxx=270-350, in steps of 5, 120 cells)
 JKMxxxPP-72, JKMxxxPP-72(Plus), JKMxxxPP-72B, JKMSxxxPP-72,
 JKMSxxxPP-72-J (xxx=320-355, in steps of 5, 72 cells)
 JKMxxxPP-60, JKMxxxPP-60(Plus), JKMxxxPP-60B, JKMSxxxPP-60,
 JKMSxxxPP-60-J (xxx=260-290, in steps of 5, 60 cells)
 JKMxxxPP-72H, JKMxxxPP-72HB (xxx=330-380, in steps of 5, 144 cells)
 JKMxxxPP-60H, JKMxxxPP-60HB (xxx=260-315, in steps of 5, 120 cells)

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JKMxxxM-72H-T, JKMxxxM-72HL-T (xxx=375-425, in steps of 5, 144 cells)
 JKMxxxM-60H-T, JKMxxxM-60HL-T (xxx=315-355, in steps of 5, 120 cells)
 JKMxxxM-72HL-T-Q, MMxxx-72HLA-BB (xxx=375-425, in steps of 5, 144 cells)
 JKMxxxM-60HL-T-Q, MMxxx-60HLA-BB (xxx=315-355, in steps of 5, 120 cells)
 JKMxxxN-72H-T, JKMxxxN-72HL-T (xxx=375-425, in steps of 5, 144 cells)
 JKMxxxN-60H-T, JKMxxxN-60HL-T (xxx=315-355 in steps of 5, 120 cells)
 JKMSxxxM-72-MX3, JKMSxxxM-72B-MX3, JKMSxxxM-72L-MX3,
 JKMSxxxM-72BL-MX3 (xxx=335-395, in steps of 5, 72 cells)
 JKMSxxxM-60-MX3, JKMSxxxM-60B-MX3, JKMSxxxM-60L-MX3,
 JKMSxxxM-60BL-MX3 (xxx=270-340, in steps of 5, 60 cells)
 SMMxxx-72LA-MB-MX3, SMMxxx-72LA-AB-MX3
 (xxx=335-395, in steps of 5, 72 cells)
 SMMxxx-60LA-MB-MX3, SMMxxx-60LA-AB-MX3
 (xxx=270-340, in steps of 5, 60 cells)
 JKMSxxxM-72H-MX3, JKMSxxxM-72HB-MX3, JKMSxxxM-72HL-MX3,
 JKMSxxxM-72HBL-MX3 (xxx=335-395, in steps of 5, 144 cells)
 JKMSxxxM-60H-MX3, JKMSxxxM-60HB-MX3, JKMSxxxM-60HL-MX3,
 JKMSxxxM-60HBL-MX3 (xxx=270-340, in steps of 5, 120 cells)
 JKMSxxxM-72HL-MX3-Q, JKMSxxxM-72HBL-MX3-Q, SMMxxx-72HLA-MB-MX3,
 SMMxxx-72HLA-AB-MX3, (xxx=335-395, in steps of 5, 144 cells)
 JKMSxxxM-60HL-MX3-Q, JKMSxxxM-60HBL-MX3-Q, SMMxxx-60HLA-MB-MX3,
 SMMxxx-60HLA-AB-MX3 (xxx=270-340, in steps of 5, 120 cells)
 JKMSxxxPP-72-MX3, JKMSxxxPP-72B-MX3, JKMSxxxPP-72L-MX3,
 JKMSxxxPP-72BL-MX3 (xxx=320-355, in steps of 5, 72 cells)
 JKMSxxxPP-60-MX3, JKMSxxxPP-60B-MX3, JKMSxxxPP-60L-MX3,
 JKMSxxxPP-60BL-MX3 (xxx=260-290, in steps of 5, 60 cells)
 JKMSxxxPP-72H-MX3, JKMSxxxPP-72HB-MX3, JKMSxxxPP-72HL-MX3,
 JKMSxxxPP-72HBL-MX3 (xxx=330-380, in steps of 5, 144cells)
 JKMSxxxPP-60H-MX3, JKMSxxxPP-60HB-MX3, JKMSxxxPP-60HL-MX3,
 JKMSxxxPP-60HBL-MX3 (xxx=260-315, in steps of 5, 120 cells)
 JKMxxxM-72H-MBB, JKMxxxM-72H-MBB-TI, JKMxxxM-72H-MBB-MX3
 (xxx=385-425, in steps of 5, 144 cells)
 JKMxxxM-60H-MBB, JKMxxxM-60H-MBB-TI, JKMxxxM-60H-MBB-MX3
 (xxx=320-355, in steps of 5, 120 cells)
 MMxxx-72HLA-MB-MBB, SMMxxx-72HLA-MB-MBB-TI
 (xxx=385-425, in steps of 5, 144 cells)
 MMxxx-60HLA-MB-MBB, SMMxxx-60HLA-MB-MBB-TI
 (xxx=320-355, in steps of 5, 120 cells)
 JKMxxxM-72H-MBB-T (xxx=385-405, in steps of 5, 144 cells)
 JKMxxxM-60H-MBB-T (xxx=320-335, in steps of 5, 120 cells)
 JKMxxxN-72H-MBB-T (xxx=390-420, in steps of 5, 144 cells)
 JKMxxxN-60H-MBB-T (xxx=330-350, in steps of 5, 120 cells)
 JKSM3-DFCA-xxx (xxx=400-440, in steps of 5, 156 cells)
 JKSM3-CFCA-xxx (xxx=335-370, in steps of 5, 132 cells)
 JKSM3-DHCA-xxx (xxx=400-450, in steps of 5, 156 cells)
 JKSM3-CHCA-xxx (xxx=340-380, in steps of 5, 132 cells)
 JKSN3-DHCA-xxx (xxx=410-440, in steps of 5, 156 cells)
 JKSN3-CHCA-xxx (xxx=345-370, in steps of 5, 132 cells)
 JKMxxxM-78H, JKMSxxxM-78H-TI (xxx=405-465, in steps of 5, 156 cells)
 JKMxxxM-66H, JKMSxxxM-66H-TI (xxx=340-390, in steps of 5, 132 cells)
 MMxxx-78HLA-MB, SMMxxx-78HLA-MB-TI
 (xxx=405-465, in steps of 5, 156 cells)
 MMxxx-66HLA-MB, SMMxxx-66HLA-MB-TI
 (xxx=340-390, in steps of 5, 132 cells)
 JKMxxxM-78HB, JKMSxxxM-78HB-TI (xxx=405-435, in steps of 5, 156
 cells)
 JKMxxxM-66HB, JKMSxxxM-66HB-TI (xxx=340-365, in steps of 5, 132 cells)
 MMxxx-78HLA-AB, SMMxxx-78HLA-AB-TI (xxx=405-435, in steps of 5, 156
 cells)
 MMxxx-66HLA-AB, SMMxxx-66HLA-AB-TI (xxx=340-365, in steps of 5, 132
 cells)
 JKMxxxM-78H-T (xxx=405-455, in steps of 5, 156 cells)

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JKMxxxM-66H-T (xxx=340-385, in steps of 5, 132 cells)
 JKMxxxN-78H-T (xxx=410-460, in steps of 5, 156 cells)
 JKMxxxM-66H-T (xxx=345-385, in steps of 5, 132 cells)
 JKMxxxM-7RL3, JKMxxxM-7RL3-J, JKMSxxxM-7RL3-TI
 (xxx=430-495, in steps of 5, 156 cells)
 JKMxxxM-6RL3, JKMxxxM-6RL3-J, JKMSxxxM-6RL3-TI,
 JKMSxxxM-6RL3-MX3 (xxx=360-415, in steps of 5, 132 cells)
 JKMxxxM-6TL3, JKMSxxxM-6TL3-TI, JKMSxxxM-6TL3-MX3
 (xxx=335-380, in steps of 5, 120 cells)
 MMxxx-7RLC-MB, SMMxxx-7RLC-MB-TI
 (xxx=430-475, in steps of 5, 156 cells)
 MMxxx-6RLC-MB, SMMxxx-6RLC-MB-TI (xxx=360-400, in steps of 5, 132 cells)
 MMxxx-6TLC-MB, SMMxxx-6TLC-MB-TI (xxx=335-365, in steps of 5, 120 cells)
 JKMxxxN-7RL3, JKMxxxN-7RL3-J, JKMSxxxN-7RL3-TI
 (xxx=430-500, in steps of 5, 156 cells)
 JKMxxxN-6RL3, JKMxxxN-6RL3-J, JKMSxxxN-6RL3-TI,
 JKMSxxxN-6RL3-MX3 (xxx=360-420, in steps of 5, 132 cells)
 JKMxxxN-6TL3, JKMSxxxN-6TL3-TI, JKMSxxxN-6TL3-MX3
 (xxx=335-390, in steps of 5, 120 cells)
 MNxxx-7RLC-MB, SMNxxx-7RLC-MB-TI (xxx=430-490, in steps of 5, 156 cells)
 MNxxx-6RLC-MB, SMNxxx-6RLC-MB-TI (xxx=360-410, in steps of 5, 132 cells)
 MNxxx-6TLC-MB, SMNxxx-6TLC-MB-TI
 (xxx=335-375, in steps of 5, 120 cells)
 JKMxxxM-7RL3-T, JKMxxxM-7RL3-T-J (xxx=420-475, in steps of 5, 156 cells)
 JKMxxxM-6RL3-T, JKMxxxM-6RL3-T-J (xxx=355-400, in steps of 5, 132 cells)
 JKMxxxM-6TL3-T (xxx=325-365, in steps of 5, 120 cells)
 JKMxxxN-7RL3-T, JKMxxxN-7RL3-T-J (xxx=425-475, in steps of 5, 156 cells)
 JKMxxxN-6RL3-T, JKMxxxN-6RL3-T-J (xxx=355-400, in steps of 5, 132 cells)
 JKMxxxN-6TL3-T (xxx=325-365, in steps of 5, 120 cells)
 JKMxxxN-72H-MBB, JKMSxxxN-72H-MBB-TI
 (xxx=385-425, in steps of 5, 144 cells)
 JKMxxxN-60H-MBB, JKMSxxxN-60H-MBB-TI
 (xxx=320-350, in steps of 5, 120 cells)
 MNxxx-72HLA-MB-MBB, SMNxxx-72HLA-MB-MBB-TI
 (xxx=385-425, in steps of 5, 144 cells)
 MNxxx-60HLA-MB-MBB, SMNxxx-60HLA-MB-MBB-TI
 (xxx=320-350, in steps of 5, 120 cells)
 JKMxxxM-7RL3-B, JKMSxxxM-7RL3-B-TI
 (xxx=425-480, in steps of 5, 156 cells)
 JKMxxxM-6RL3-B, JKMSxxxM-6RL3-B-TI, JKMSxxxM-6RL3-B-MX3
 (xxx=360-405, in steps of 5, 132 cells)
 JKMxxxM-6TL3-B, JKMSxxxM-6TL3-B-TI, JKMSxxxM-6TL3-B-MX3
 (xxx=320-365, in steps of 5, 120 cells)
 MMxxx-7RLC-AB, SMMxxx-7RLC-AB-TI (xxx=425-480, in steps of 5, 156 cells)
 MMxxx-6RLC-AB, SMMxxx-6RLC-AB-TI (xxx=360-405, in steps of 5, 132 cells)
 MMxxx-6TLC-AB, SMMxxx-6TLC-AB-TI (xxx=320-365, in steps of 5, 120
 cells)
 JKMxxxN-7RL3-B, JKMSxxxN-7RL3-B-TI (xxx=425-480, in steps of 5, 156
 cells)
 JKMxxxN-6RL3-B, JKMSxxxN-6RL3-B-TI, JKMSxxxN-6RL3-B-MX3
 (xxx=360-425, in steps of 5, 132 cells)
 JKMxxxN-6TL3-B, JKMSxxxN-6TL3-B-TI, JKMSxxxN-6TL3-B-MX3
 (xxx=320-385, in steps of 5, 120 cells)
 MNxxx-7RLC-AB, SMNxxx-7RLC-AB-TI (xxx=425-480, in steps of 5, 156 cells)
 MNxxx-6RLC-AB, SMNxxx-6RLC-AB-TI (xxx=360-405, in steps of 5, 132 cells)
 MNxxx-6TLC-AB, SMNxxx-6TLC-AB-TI (xxx=320-365, in steps of 5, 120
 cells)
 JKMxxxN-72H-MBB-B, JKMSxxxN-72H-MBB-B-TI
 (xxx=380-400, in steps of 5, 144 cells)
 JKMxxxN-60H-MBB-B, JKMSxxxN-60H-MBB-B-TI
 (xxx=315-330, in steps of 5, 120 cells)
 JKMxxxN-48H-MBB-B (xxx=255-265, in steps of 5, 96 cells)

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JKMxxxN-32H-MBB-B (xxx=170-175, in steps of 5, 64 cells)
 MNxxx-72HLA-AB-MBB, SMNxxx-72HLA-AB-MBB-TI
 (xxx=380-400, in steps of 5, 144 cells)
 MNxxx-60HLA-AB-MBB, SMNxxx-60HLA-AB-MBB-TI
 (xxx=315-330, in steps of 5, 120 cells)
 JKMxxxM-72HLM, JKMSxxxM-72HLM-MX3 (xxx=420-465, in steps of 5, 144 cells)
 JKMxxxM-60HLM, JKMSxxxM-60HLM-MX3 (xxx=350-385, in steps of 5, 120 cells)
 MMxxx-72HLM-MB (xxx=420-465, in steps of 5, 144 cells)
 MMxxx-60HLM-MB (xxx=350-385, in steps of 5, 120 cells)
 JKMxxxM-72HL4, JKMxxxM-72HL4-J (xxx=475-585, in steps of 5, 144 cells)
 JKMxxxM-66HL4 (xxx=440-505, in steps of 5, 132 cells)
 JKMxxxM-60HL4 (xxx=400-485, in steps of 5, 120 cells)
 JKMxxxM-54HL4 (xxx=360-430, in steps of 5, 108 cells)
 MMxxx-72HLD-MB (xxx=475-570, in steps of 5, 144 cells)
 MMxxx-66HLD-MB (xxx=440-505, in steps of 5, 132 cells)
 MMxxx-60HLD-MB (xxx=400-470, in steps of 5, 120 cells)
 MMxxx-54HLD-MB (xxx=360-420, in steps of 5, 108 cells)
 JKMxxxM-7RL4, JKMxxxM-7RL4-J (xxx=535-590, in steps of 5, 156 cells)
 JKMxxxM-7TL4, JKMxxxM-7TL4-J (xxx=495-570, in steps of 5, 144 cells)
 JKMxxxM-6RL4 (xxx=455-495, in steps of 5, 132 cells)
 JKMxxxM-6TL4 (xxx=415-450, in steps of 5, 120 cells)
 JKMxxxM-5RL4 (xxx=375-435, in steps of 5, 108 cells)
 MMxxx-7RLD-MB (xxx=535-590, in steps of 5, 156 cells)
 MMxxx-7TLD-MB (xxx=495-540, in steps of 5, 144 cells)
 MMxxx-6RLD-MB (xxx=455-495, in steps of 5, 132 cells)
 MMxxx-6TLD-MB (xxx=415-450, in steps of 5, 120 cells)
 MMxxx-5RLD-MB (xxx=375-405, in steps of 5, 108 cells)
 JKMxxxM-78H-MBB, JKMSxxxM-78H-MBB-MX3
 (xxx=440-465, in steps of 5, 156 cells)
 JKMxxxM-66H-MBB, JKMSxxxM-66H-MBB-MX3
 (xxx=370-390, in steps of 5, 132 cells)
 MMxxx-78HLA-MB-MBB (xxx=440-465, in steps of 5, 156 cells)
 MMxxx-66HLA-MB-MBB (xxx=370-390, in steps of 5, 132 cells)
 JKMxxxN-78HL4, JKMxxxN-78HL4-J, JKMxxxN-78HL4R
 (xxx=570-650, in steps of 5, 156 cells)
 JKMxxxN-72HL4 (xxx=485-615, in steps of 5, 144 cells)
 JKMxxxN-72HL4-J (xxx=485-615, in steps of 5, 144 cells)
 JKMxxxN-72HL4R (xxx=485-615, in steps of 5, 144 cells)
 JKMxxxN-72HL4-L (xxx=485-615, in steps of 5, 144 cells)
 JKMxxxN-66HL4 (xxx=445-525, in steps of 5, 132 cells)
 JKMxxxN-60HL4 (xxx=405-510, in steps of 5, 120 cells)
 JKMxxxN-60HL4-J (xxx=405-510, in steps of 5, 120 cells)
 JKMxxxN-60HL4R (xxx=405-510, in steps of 5, 120 cells)
 JKMxxxN-60HL4-L (xxx=405-510, in steps of 5, 120 cells)
 JKMxxxN-54HL4, JKMxxxN-54HL4R, JKMxxxN-54HL4R-L
 (xxx=365-455, in steps of 5, 108 cells)
 MNxxx-72HLD-MB (xxx=485-555, in steps of 5, 144 cells)
 MNxxx-66HLD-MB (xxx=445-505, in steps of 5, 132 cells)
 MNxxx-60HLD-MB (xxx=405-460, in steps of 5, 120 cells)
 MNxxx-54HLD-MB (xxx=365-415, in steps of 5, 108 cells)
 JKMxxxN-7RL4 (xxx=535-590, in steps of 5, 156 cells)
 JKMxxxN-7TL4 (xxx=495-600, in steps of 5, 144 cells)
 JKMxxxN-7TL4R (xxx=495-600, in steps of 5, 144 cells)
 JKMxxxN-6RL4 (xxx=455-495, in steps of 5, 132 cells)
 JKMxxxN-6TL4 (xxx=415-450, in steps of 5, 120 cells)
 JKMxxxN-5RL4 (xxx=375-460, in steps of 5, 108 cells)
 MNxxx-7RLD-MB (xxx=535-590, in steps of 5, 156 cells)
 MNxxx-7TLD-MB (xxx=495-540, in steps of 5, 144 cells)
 MNxxx-6RLD-MB (xxx=455-495, in steps of 5, 132 cells)

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This Attestation does not replace the regulatory EU Declaration of Conformity (DoC) and does not allow for CE marking. After preparation of the necessary documentation and establishing compliance to requirements of all applicable directives, the manufacturer may sign a DoC and apply the CE marking. The DoC is issued under the sole responsibility of the manufacturer.



Product Service

Attestation of Conformity

No. N8A 118443 0004 Rev. 08

MNxxx-6TLD-MB (xxx=415-450, in steps of 5, 120 cells)
 MNxxx-5RLD-MB (xxx=375-405, in steps of 5, 108 cells)
 JKMxxxM-72HL4-B (xxx=510-535, in steps of 5, 144 cells)
 JKMxxxM-66HL4-B (xxx=465-490, in steps of 5, 132 cells)
 JKMxxxM-60HL4-B (xxx=425-445, in steps of 5, 120 cells)
 JKMxxxM-54HL4-B (xxx=380-425, in steps of 5, 108 cells)
 JKMxxxN-72HL4-B (xxx=510-535, in steps of 5, 144 cells)
 JKMxxxN-66HL4-B (xxx=465-490, in steps of 5, 132 cells)
 JKMxxxN-60HL4-B (xxx=425-470, in steps of 5, 120 cells)
 JKMxxxN-54HL4-B, JKMxxxN-54HL4R-B, JKMxxxN-54HL4R-B-L
 (xxx=380-450, in steps of 5, 108 cells)
 JKMxxxM-7RL4-B (xxx=540-575, in steps of 5, 156 cells)
 JKMxxxM-7TL4-B (xxx=495-530, in steps of 5, 144 cells)
 JKMxxxM-6RL4-B (xxx=455-485, in steps of 5, 132 cells)
 JKMxxxM-6TL4-B (xxx=415-440, in steps of 5, 120 cells)
 JKMxxxM-5RL4-B (xxx=375-430, in steps of 5, 108 cells)
 JKMxxxN-7RL4-B (xxx=540-575, in steps of 5, 156 cells)
 JKMxxxN-7TL4-B (xxx=495-530, in steps of 5, 144 cells)
 JKMxxxN-6RL4-B (xxx=455-485, in steps of 5, 132 cells)
 JKMxxxN-6TL4-B (xxx=415-440, in steps of 5, 120 cells)
 JKMxxxN-5RL4-B (xxx=375-455, in steps of 5, 108 cells)
 JKMxxxN-72HL3-MBB-B (xxx=400-445, in steps of 5, 144 cells)
 JKMxxxN-60HL3-MBB-B (xxx=330-370, in steps of 5, 120 cells)
 JKMxxxN-48HL3-MBB-B (xxx=270-295, in steps of 5, 96 cells)
 JKMxxxN-32HL3-MBB-B (xxx=180-195, in steps of 5, 64 cells)
 JKMxxxM-72HLM-B, JKMSxxxM-72HLM-B-MX3
 (xxx=415-445, in steps of 5, 144 cells)
 JKMxxxM-60HLM-B, JKMSxxxM-60HLM-B-MX3
 (xxx=350-370, in steps of 5, 120 cells)
 JKxxxM-66R5-MW (xxx=630-665, in steps of 5, 132 cells)
 JKxxxM-66H5-MW (xxx=635-670, in steps of 5, 132 cells)
 JKMxxxM-36H (xxx=195-205, in steps of 5, 72 cells)
 JKMxxxN-66HL4M (xxx=600-620, in steps of 5, 132 cells)
 JKBWxxxN-72HL4 (xxx=485-615, in steps of 5, 144 cells)
 xxx is standing for rated output power at STC

Parameters:

Fire Safety Class:	Class C according to UL790.
Safety Class:	Class II
Max. System Voltage:	1500V DC or 1000V DC
Construction:	Framed, with Junction box, cable and connector.

Tested according to:

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

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Product Service

CERTIFICATE

No. Z2 118443 0038 Rev. 05

Holder of Certificate: **Jinko Solar Co., Ltd.**
No.1, Yingbin Road, Economic Development Zone
334100 Shangrao City, Jiangxi
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, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 704062307436-05

Valid until: 2029-08-15

Date, 2024-08-26

(Zhulin Zhang)

CERTIFICATE

No. Z2 118443 0038 Rev. 05

Model(s):

1500VDC system voltage:

JKMxxxM-72HL4-TV (xxx=530-545, in steps of 5)
 JKMxxxM-72HL4-V, JKMxxxM-72HL4-V-J (xxx=540-570, in steps of 5)
 JKMxxxM-54HL4-V (xxx=405-425, in steps of 5)
 JKMxxxN-78HL4-V, JKMxxxN-78HL4-V-J (xxx=605-650, in steps of 5)
 JKMxxxN-72HL4-V, JKMxxxN-72HL4-V-J, JKBWxxxN-72HL4-V,
 JKMxxxN-72HL4-V-L (xxx=560-615, in steps of 5)
 JKMxxxN-60HL4-V, JKMxxxN-60HL4-V-J (xxx=470-510, in steps of 5)
 JKMxxxN-54HL4-V, JKMxxxN-54HL4R-V, JKBWxxxN-54HL4R-V
 (xxx=420-460, in steps of 5)
 JKMxxxN-66HL4M-V, JKMxxxN-66HL4M-V-L
 (xxx=600-640, in steps of 5)

1000VDC system voltage:

JKMxxxM-72HL4, JKMxxxM-72HL4-J (xxx=540-570, in steps of 5)
 JKMxxxM-54HL4 (xxx=405-425, in steps of 5)
 JKMxxxN-78HL4, JKMxxxN-78HL4-J (xxx=605-650, in steps of 5)
 JKMxxxN-72HL4, JKMxxxN-72HL4-J, JKBWxxxN-72HL4, JKMxxxN-
 72HL4-L (xxx=560-615, in steps of 5)
 JKMxxxN-60HL4, JKMxxxN-60HL4-J (xxx=470-510, in steps of 5)
 JKMxxxN-54HL4, JKMxxxN-54HL4R (xxx=420-460, in steps of 5)
 JKMxxxN-66HL4M (xxx=600-640, in steps of 5)
 JKMxxxN-54HL4-B, JKMxxxN-54HL4R-B (xxx=420-460, in steps of 5)
 xxx is standing for rated output power at STC

Parameters:

Fire Safety Class:	Class C according to UL790
Safety Class:	Class II
Max. System Voltage:	1500V DC or 1000V DC
Construction:	Framed with Junction box, cable and connector.

Production

Facility(ies):

074043, 105416, 115863, 115864, 115876
 115862, 116025, 119488, 075612, 121280,
 115860, 118443, 122742, 118612, 119487,
 125355

Tested according to:

IEC 61215-1:2021
 IEC 61215-1-1:2021
 IEC 61215-2:2021
 IEC 61730-1:2023
 IEC 61730-2:2023
 EN 61215-1:2021
 EN 61215-1-1:2021
 EN 61215-2:2021
 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