



Product Service

CERTIFICATE

No. Z2 18 06 84752 013

Holder of Certificate: München Energieprodukte GmbHStethaimerstr. 32-34
84034 Landshut
GERMANY**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. See also notes overleaf.

Test report no.: 701261702201-01**Valid until:** 2022-11-27**Date,** 2018-06-29

(Zhulin Zhang)

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CERTIFICATE**No. Z2 18 06 84752 013****Model(s):****125 Mono series:**

MSMxxxAS-48; (xxx=250 to 280, in step of 5)

MSMxxxAS-36; (xxx=180 to 210, in step of 5)

MSMxxxAS-27; (xxx=140 to 160, in step of 5)

MSMxxxAS-18; (xxx=90 to 105, in step of 5)

125 Mono series with blacksheet:

MSMxxxAS-36BK; (xxx=180 to 210, in step of 5)

MSMxxxAS-27BK; (xxx=140 to 160, in step of 5)

MSMxxxAS-18BK; (xxx=90 to 105, in step of 5)

156 Mono series:

MSMDxxxAS-36; (xxx=280 to 375, in step of 5)

MSMDxxxAS-30; (xxx=240 to 310, in step of 5)

MSMDxxxAS-27; (xxx=215 to 280, in step of 5)

MSMDxxxAS-24; (xxx=190 to 250, in step of 5)

MSMDxxxAS-18; (xxx=140 to 185, in step of 5)

156 Mono series with blacksheet:

MSMDxxxAS-36BK; (xxx=280 to 375, in step of 5)

MSMDxxxAS-30BK; (xxx=240 to 310, in step of 5)

MSMDxxxAS-27BK; (xxx=215 to 280, in step of 5)

MSMDxxxAS-24BK; (xxx=190 to 250, in step of 5)

MSMDxxxAS-18BK; (xxx=140 to 185, in step of 5)

xxx is standing for the output power

Parameters:

Rated Output Power

at STC:

See the attachment.

Construction:

Framed, with Junction box,
Cable and Connectors.

Test Laboratory:

Yangzhou Opto-Electrical
Products Testing Institute
No.10 West Kaifa Road, Yangzhou,
225009 Jiangsu, P. R. China

Application Class:

Class A

Maximum System Voltage:

1000 V DC

Fire Safety Class:

Class C

**Tested
according to:**

IEC 61215(ed.2)

IEC 61730-1(ed.1);am1;am2

IEC 61730-2(ed.1);am1

**Production
Facility(ies):**

72918, 98397

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The following models will be covered by above certificate:

Model	Rated Output Power at STC
MSM280AS-48, MSM275AS-48, MSM270AS-48, MSM265AS-48, MSM260AS-48, MSM255AS-48, MSM250AS-48,	280 W, 275 W, 270 W, 265 W, 260 W, 255 W, 250 W,
MSM210AS-36, MSM205AS-36, MSM200AS-36, MSM195AS-36, MSM190AS-36, MSM185AS-36, MSM180AS-36,	210 W, 205 W, 200 W, 195 W, 190 W, 185 W, 180 W,
MSM160AS-27, MSM155AS-27, MSM150AS-27, MSM145AS-27, MSM140AS-27,	160 W, 155 W, 150 W, 145 W, 140 W,
MSM105AS-18, MSM100AS-18, MSM95AS-18, MSM90AS-18,	105 W, 100 W, 95 W, 90 W,
MSM210AS-36BK, MSM205AS-36BK, MSM200AS-36BK, MSM195AS-36BK, MSM190AS-36BK, MSM185AS-36BK, MSM180AS-36BK,	210 W, 205 W, 200 W, 195 W, 190 W, 185 W, 180 W,
MSM160AS-27BK, MSM155AS-27BK, MSM150AS-27BK, MSM145AS-27BK, MSM140AS-27BK,	160 W, 155 W, 150 W, 145 W, 140 W,
MSM105AS-18BK, MSM100AS-18BK, MSM95AS-18BK, MSM90AS-18BK,	105 W, 100 W, 95 W, 90 W,
MSMD280AS-36, MSMD285AS-36, MSMD290AS-36, MSMD295AS-36, MSMD300AS-36, MSMD305AS-36, MSMD310AS-36, MSMD315AS-36, MSMD320AS-36, MSMD325AS-36, MSMD330AS-36, MSMD335AS-36, MSMD340AS-36, MSMD345AS-36, MSMD350AS-36, MSMD355AS-36, MSMD360AS-36, MSMD365AS-36, MSMD370AS-36, MSMD375AS-36,	280 W, 285 W, 290 W, 295 W, 300 W, 305 W, 310 W, 315 W, 320 W, 325 W, 330 W, 335 W, 340 W, 345 W, 350 W, 355 W, 360 W, 365 W, 370 W, 375 W,
MSMD240AS-30, MSMD245AS-30, MSMD250AS-30, MSMD255AS-30, MSMD260AS-30, MSMD265AS-30, MSMD270AS-30, MSMD275AS-30, MSMD280AS-30, MSMD285AS-30, MSMD290AS-30, MSMD295AS-30, MSMD300AS-30, MSMD305AS-30, MSMD310AS-30,	240 W, 245 W, 250 W, 255 W, 260 W, 265 W, 270 W, 275 W, 280 W, 285 W, 290 W, 295 W, 300 W, 305 W, 310 W,
MSMD215AS-27, MSMD220AS-27, MSMD225AS-27, MSMD230AS-27, MSMD235AS-27, MSMD240AS-27, MSMD245AS-27, MSMD250AS-27, MSMD255AS-27, MSMD260AS-27, MSMD265AS-27, MSMD270AS-27, MSMD275AS-27, MSMD280AS-27,	215 W, 220 W, 225 W, 230 W, 235 W, 240 W, 245 W, 250 W, 255 W, 260 W, 265 W, 270 W, 275 W, 280 W,
MSMD190AS-24, MSMD195AS-24, MSMD200AS-24, MSMD205AS-24, MSMD210AS-24, MSMD215AS-24, MSMD220AS-24, MSMD225AS-24, MSMD230AS-24, MSMD235AS-24, MSMD240AS-24, MSMD245AS-24, MSMD250AS-24,	190 W, 195 W, 200 W, 205 W, 210 W, 215 W, 220 W, 225 W, 230 W, 235 W, 240 W, 245 W, 250 W,
MSMD140AS-18, MSMD145AS-18, MSMD150AS-18, MSMD155AS-18, MSMD160AS-18, MSMD165AS-18, MSMD170AS-18, MSMD175AS-18, MSMD180AS-18, MSMD185AS-18,	140 W, 145 W, 150 W, 155 W, 160 W, 165 W, 170 W, 175 W, 180 W, 185 W,
MSMD280AS-36BK, MSMD285AS-36BK, MSMD290AS-36BK, MSMD295AS-36BK, MSMD300AS-36BK, MSMD305AS-36BK, MSMD310AS-36BK, MSMD315AS-36BK, MSMD320AS-36BK, MSMD325AS-36BK, MSMD330AS-36BK, MSMD335AS-36BK, MSMD340AS-36BK, MSMD345AS-36BK, MSMD350AS-36BK,	280 W, 285 W, 290 W, 295 W, 300 W, 305 W, 310 W, 315 W, 320 W, 325 W, 330 W, 335 W, 340 W, 345 W, 350 W,

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MSMD355AS-36BK, MSMD360AS-36BK, MSMD365AS-36BK, MSMD370AS-36BK, MSMD375AS-36BK,	355 W, 360 W, 365 W, 370 W, 375 W,
MSMD240AS-30BK, MSMD245AS-30BK, MSMD250AS-30BK, MSMD255AS-30BK, MSMD260AS-30BK, MSMD265AS-30BK, MSMD270AS-30BK, MSMD275AS-30BK, MSMD280AS-30BK, MSMD285AS-30BK, MSMD290AS-30BK, MSMD295AS-30BK, MSMD300AS-30BK, MSMD305AS-30BK, MSMD310AS-30BK,	240 W, 245 W, 250 W, 255 W, 260 W, 265 W, 270 W, 275 W, 280 W, 285 W, 290 W, 295 W, 300 W, 305 W, 310 W,
MSMD215AS-27BK, MSMD220AS-27BK, MSMD225AS-27BK, MSMD230AS-27BK, MSMD235AS-27BK, MSMD240AS-27BK, MSMD245AS-27BK, MSMD250AS-27BK, MSMD255AS-27BK, MSMD260AS-27BK, MSMD265AS-27BK, MSMD270AS-27BK, MSMD275AS-27BK, MSMD280AS-27BK,	215 W, 220 W, 225 W, 230 W, 235 W, 240 W, 245 W, 250 W, 255 W, 260 W, 265 W, 270 W, 275 W, 280 W,
MSMD190AS-24BK, MSMD195AS-24BK, MSMD200AS-24BK, MSMD205AS-24BK, MSMD210AS-24BK, MSMD215AS-24BK, MSMD220AS-24BK, MSMD225AS-24BK, MSMD230AS-24BK, MSMD235AS-24BK, MSMD240AS-24BK, MSMD245AS-24BK, MSMD250AS-24BK,	190 W, 195 W, 200 W, 205 W, 210 W, 215 W, 220 W, 225 W, 230 W, 235 W, 240 W, 245 W, 250 W,
MSMD140AS-18BK, MSMD145AS-18BK, MSMD150AS-18BK, MSMD155AS-18BK, MSMD160AS-18BK, MSMD165AS-18BK, MSMD170AS-18BK, MSMD175AS-18BK, MSMD180AS-18BK, MSMD185AS-18BK,	140 W, 145 W, 150 W, 155 W, 160 W, 165 W, 170 W, 175 W, 180 W, 185 W,

gates



China

TUV SUD Certification and Testing (China) Co., Ltd. Shanghai Branch
No. 151 Heng Tong Road, Shanghai 200 070, P.R. China

Choose certainty.
Add value.

Subject: Your TÜV SÜD certificate(s)

Dear München Energieprodukte GmbH

We are pleased to send you your below listed certificate(s), which entitle you to label your certified product(s) with the respective certification mark.

<u>Certificate No.</u>	<u>Product</u>	<u>Model</u>	<u>Annual License Fee Units</u>
Z2.18.06.84752.013	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules	As on certificate	10

Further, we like to remind you on following information, which are applicable to all certificate holders:

- If the products listed on the certificate will be exported to European Market, the name of the certificate holder and the name and address of the importer or authorized representative based within the European Economic Area should be clearly printed on the product and in the user manual, or where that is not possible, on the packaging and user manual.
- To ensure that the validity of the certificate is not jeopardized, please inform us about any change in your production or of the product itself (this also includes changes to the user manual or rating label)
- If you want to stop the renewal of the above listed certificate(s) for the following year, please inform TÜV SÜD in writing by September 30 of the current year. If not, the annual fee of the following year is to be paid and the cancellation will be done the year after.
- Meanwhile, the certificate **Z2.17.04.84752.011** was replaced. We must ask you to return the original certificate.
- Further, please refer to the global "Testing and Certification Regulations" of TÜV SÜD, which can be downloaded from: <http://www.tuv-sud.cn/terms-and-conditions.html>

If you have any question regarding your certificate(s) or the proper use of the certification mark on your products, please do not hesitate to contact us.

Yours sincerely,

Zhao Lili

Customer Service

TUV SUD Certification and Testing (China) Co., Ltd. Shanghai Branch
PV Department

HSBC Bank (China) Company Limited Shanghai
Branch
Account No. (RMB): 088303235011
Account No. (USD): 001622349055
Account No. (EUR): 001622349056
SWIFT Code: HSBCCNSH

Managing Director of
Central Region:
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