



Product Service

# CERTIFICATE

No. Z2 084752 0034 Rev. 03

**Holder of Certificate:** München Energieprodukte GmbH  
Stethaimerstr. 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. 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](http://www.tuvsud.com/ps-cert)

**Test report no.:** 701262104101-03

**Valid until:** 2029-03-26

**Date,** 2024-05-08

( Zhulin Zhang )

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## Model(s):

MSMDxxxM6-72 (xxx=415-460, in step of 5W);  
MSMDxxxM6-60 (xxx=345-380, in step of 5W);  
MSMDxxxM3-72 (xxx=395-420, in step of 5W);  
MSMDxxxM3-60 (xxx=330-350, in step of 5W);  
MSMDxxxM6-78 (xxx=450-495, in step of 5W);  
MSMDxxxM6-66 (xxx=380-420, in step of 5W);  
MSMDxxxM6-54 (xxx=315-340, in step of 5W);  
MSMDxxxM10-78 (xxx=560-620, in step of 5W);  
MSMDxxxM10-72 (xxx=530-575, in step of 5W);  
MSMDxxxM10-66 (xxx=480-525, in step of 5W);  
MSMDxxxM10-60 (xxx=435-480, in step of 5W);  
MSMDxxxM10-54 (xxx=390-430, in step of 5W);  
MSMDxxxM6-HD72NBG (xxx=440-465, in step of 5W);  
MSMDxxxM6-HD66NBG (xxx=405-425, in step of 5W);  
MSMDxxxM6-HD60NBG (xxx=370-385, in step of 5W);  
MSMDxxxM6-HD54NBG (xxx=330-345, in step of 5W);  
MSMDxxxM12-66 (xxx=650-670, in step of 5W);  
MSMDxxxM12-60 (xxx=590-605, in step of 5W);  
MSMDxxxM12-55 (xxx=545-555, in step of 5W);  
MSMDxxxM12-50 (xxx=495-505, in step of 5W);  
MSMDxxxM10-HD72NBG (xxx=505-545, in step of 5W);  
MSMDxxxM10-HD66NBG (xxx=465-500, in step of 5W);  
MSMDxxxM10-HD60NBG (xxx=420-455, in step of 5W);  
MSMDxxxM10-HD54NBG (xxx=380-405, in step of 5W);  
MSMDxxxM12-HD66NBG (xxx=630-660, in step of 5W);  
MSMDxxxM12-HD60NBG (xxx=570-600, in step of 5W);  
MSMDxxxM12-HD54NBG (xxx=510-540, in step of 5W);  
MSMDxxxM12-HD55NBG (xxx=525-550, in step of 5W);  
MSMDxxxM12-HD50NBG (xxx=480-500, in step of 5W);  
MSMDxxxM12N-132BG (xxx=660-690, in step of 5W);  
MSMDxxxM12N-120BG (xxx=600-625, in step of 5W);  
MSMDxxxM12N-110BG (xxx=550-575, in step of 5W);  
MSMDxxxM12N-100BG (xxx=500-520, in step of 5W);  
MSMDxxxM12N-132 (xxx=660-690, in step of 5W);  
MSMDxxxM12N-120 (xxx=600-625, in step of 5W);  
MSMDxxxM12N-110 (xxx=550-575, in step of 5W);  
MSMDxxxM12N-100 (xxx=500-520, in step of 5W);  
MSMDxxxM10N-156 (xxx=600-645, in step of 5W);  
MSMDxxxM10N-144 (xxx=555-595, in step of 5W);  
MSMDxxxM10N-132 (xxx=510-545, in step of 5W);  
MSMDxxxM10N-120 (xxx=465-495, in step of 5W);  
MSMDxxxM10N-108 (xxx=415-445, in step of 5W);  
MSMDxxxM10N-156BG (xxx=600-645, in step of 5W);  
MSMDxxxM10N-144BG (xxx=555-595, in step of 5W);  
MSMDxxxM10N-132BG (xxx=510-545, in step of 5W);  
MSMDxxxM10N-120BG (xxx=465-495, in step of 5W);  
MSMDxxxM10N-108BG (xxx=415-445, in step of 5W);  
MSMDxxxM10NR1-132 (xxx=590-630, in step of 5W);  
MSMDxxxM10NR1-120 (xxx=540-570, in step of 5W);  
MSMDxxxM10NR1-108 (xxx=495-515, in step of 5W);  
MSMDxxxM10NR1-96 (xxx=430-460, in step of 5W);  
MSMDxxxM10NR1-132BG (xxx=590-630, in step of 5W);  
MSMDxxxM10NR1-120BG (xxx=540-570, in step of 5W);  
MSMDxxxM10NR1-108BG (xxx=495-515, in step of 5W);  
MSMDxxxM10NR1-96BG (xxx=430-460, in step of 5W);  
MSMDxxxM10NR-120 (xxx=480-525, in step of 5W);



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MSMDxxxM10NR-108 (xxx=435-470, in step of 5W);  
 MSMDxxxM10NR-120BG (xxx=480-520, in step of 5W);  
 MSMDxxxM10NR-108BG (xxx=435-465, in step of 5W);  
 xxx is standing for rated output power at STC.

## Parameters:

Safety Class:	Class II
Max. System Voltage:	1500V DC
Test Laboratory:	Yangzhou Opto-Electrical Products Testing Institute No. 10 West Kaifa Road, Yangzhou 225009 Jiangsu, P. R. China
Construction:	Framed, with Junction box, cable and connector.
Fire Safety Class:	Class C according to UL790

## Tested according to:

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