ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

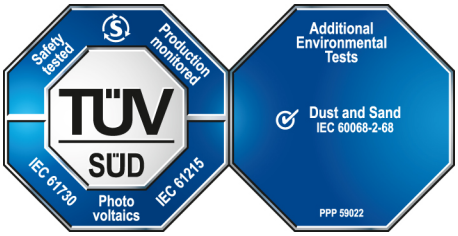
Product Service

C E R T I F I C A T E

No. Z2 084700 0081 Rev. 02

Holder of Certificate: **Phono Solar Technology Co., Ltd**
No. 1 Xinghuo Rd.,
Nanjing Hi-tech Zone,
210061 Nanjing
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 and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 704061902701-02

Valid until: 2026-07-11

Date, 2021-07-13

(Zhulin Zhang)

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

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C E R T I F I C A T E

No. Z2 084700 0081 Rev. 02

Model(s):

1500 V DC system modules:
PSxxxMH-24/T, xxx = 325 to 385 in steps of 5
PSxxxMH-22/W, xxx = 320 to 330 in steps of 5
PSxxxMH-20/U, xxx = 275 to 320 in steps of 5
PSxxxMH-18/V, xxx = 265 to 270 in steps of 5
PSxxxMH-12/G, xxx = 175 to 180 in steps of 5
PSxxxMH-24/TH, xxx = 360 to 390 in steps of 5
PSxxxMH-20/UH, xxx = 300 to 325 in steps of 5
PSxxxM1H-24/TH, xxx = 375 to 435 in steps of 5
PSxxxM1H-20/UH, xxx = 310 to 360 in steps of 5
PSxxxM1H-24/T, xxx = 375 to 395 in steps of 5
PSxxxM1H-20/U, xxx = 315 to 330 in steps of 5
PSxxxM4H-24/TH, xxx = 430 to 455 in steps of 5
PSxxxM4H-20/UH, xxx = 360 to 380 in steps of 5
PSxxxM4H-22/WH, xxx = 395 to 415 in steps of 5
PSxxxM4H-18/VH, xxx = 325 to 345 in steps of 5
PSxxxM6H-24/TH, xxx = 525 to 555 in steps of 5
PSxxxM6H-22/WH, xxx = 485 to 505 in steps of 5
PSxxxM6H-20/UH, xxx = 440 to 460 in steps of 5
PSxxxM6H-18/VH, xxx = 395 to 415 in steps of 5

1000 V DC system modules:
PSxxxM-24/T, xxx = 325 to 385 in steps of 5
PSxxxM-22/W, xxx = 320 to 330 in steps of 5
PSxxxM-20/U, xxx = 275 to 320 in steps of 5
PSxxxM-18/V, xxx = 265 to 270 in steps of 5
PSxxxM-12/G, xxx = 175 to 180 in steps of 5
PSxxxM-24/TH, xxx = 360 to 390 in steps of 5
PSxxxM-20/UH, xxx = 300 to 325 in steps of 5
PSxxxM1-24/TH, xxx = 375 to 435 in steps of 5
PSxxxM1-20/UH, xxx = 310 to 360 in steps of 5
PSxxxM1-24/T, xxx = 375 to 395 in steps of 5
PSxxxM1-20/U, xxx = 315 to 330 in steps of 5
PSxxxM4-24/TH, xxx = 430 to 455 in steps of 5
PSxxxM4-20/UH, xxx = 360 to 380 in steps of 5
PSxxxM4-22/WH, xxx = 395 to 415 in steps of 5
PSxxxM4-18/VH, xxx = 325 to 345 in steps of 5
PSxxxM6-24/TH, xxx = 525 to 555 in steps of 5
PSxxxM6-22/WH, xxx = 485 to 505 in steps of 5
PSxxxM6-20/UH, xxx = 440 to 460 in steps of 5
PSxxxM6-18/VH, xxx = 395 to 415 in steps of 5
xxx is standing for rated output power at STC

Parameters:

Construction:	Framed, with Junction box, Cable and Connectors.
Dust and Sand Test Method:	Lc1
Dust/sand Type:	95% SiO2
Dust /sand Concentration:	5g/m³
Testing Air Velocity:	20m/s
Test Duration:	4h/each side
Safety Class:	Class II
Maximum System Voltage:	1500 V DC or 1000 V DC
Fire Safety Class:	Class C according to UL790

Tested according to:

IEC 61215-1(ed.1)
IEC 61215-1-1(ed.1)
IEC 61215-2(ed.1)
IEC 61730-1(ed.2)
IEC 61730-2(ed.2)
PPP 59022B:2021

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