Product Service

CERTIFICATE

No. Z2 092954 0021 Rev. 01

Holder of Certificate: **VIETNAM SUNERGY JOINT STOCK COMPANY**
Lot III-Dong Vang Area
Dinh Tram Industrial Zone
Hoang Ninh Commune
Viet Yen District
230000 Bac Giang Province
VIETNAM

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.:	704061902101-01
Valid until:	2024-07-31

Date, 2019-08-14 (David Bo)

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

A4 / 07.17

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

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Model(s):

1500 V DC Maximum System voltage Modules:
VSUNxxx-72MH, VSUNxxx-72MH-BW (xxx=330-380, in step of 5).
VSUNxxx-60MH, VSUNxxx-60MH-BW (xxx=275-315, in step of 5).
VSUNxxx-54MH, VSUNxxx-54MH-BW (xxx=250-285, in step of 5).
VSUNxxx-48MH, VSUNxxx-48MH-BW (xxx=220-250, in step of 5).
VSUNxxx-36MH, VSUNxxx-36MH-BW (xxx=165-190, in step of 5).
VSUNxxx-144MH, VSUNxxx-144MH-BW (xxx=360-385, in step of 5).
VSUNxxx-132MH, VSUNxxx-132MH-BW (xxx=330-350, in step of 5).
VSUNxxx-120MH, VSUNxxx-120MH-BW (xxx=310-320, in step of 5).

1000 V DC Maximum System voltage Modules:
VSUNxxx-72M, VSUNxxx-72M-BB, VSUNxxx-72M-BW (xxx=330-380, in step of 5).
VSUNxxx-60M, VSUNxxx-60M-BB, VSUNxxx-60M-BW (xxx=275-315, in step of 5).
VSUNxxx-54M, VSUNxxx-54M-BB, VSUNxxx-54M-BW (xxx=250-285, in step of 5).
VSUNxxx-48M, VSUNxxx-48M-BB, VSUNxxx-48M-BW (xxx=220-250, in step of 5).
VSUNxxx-36M, VSUNxxx-36M-BB, VSUNxxx-36M-BW (xxx=165-190, in step of 5).
VSUNxxx-144M, VSUNxxx-144M-BB, VSUNxxx-144M-BW (xxx=360-385, in step of 5).
VSUNxxx-132M, VSUNxxx-132M-BB, VSUNxxx-132M-BW (xxx=330-350, in step of 5).
VSUNxxx-120M, VSUNxxx-120M-BB, VSUNxxx-120M-BW (xxx=310-320, in step of 5).
xxx is standing for rated output power at STC.

Parameters:

Safety Class:	Class II
Max. System Voltage:	1500V DC or 1000V DC
Test Laboratory:	Yangzhou Opto-Electrical Product 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(ed.1)
IEC 61215-1-1(ed.1)
IEC 61215-2(ed.1)
IEC 61730-1(ed.2)
IEC 61730-2(ed.2)

Production Facility(ies):

092954

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