

CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

DualSun SAS
2 rue Marc Donadille 13013 Marseille
FRANCE

is authorized to provide the product mentioned below with the mark as illustrated:



Description of product (details see Annex 2):

Crystalline Silicon Terrestrial Photovoltaic (PV) Modules

Valid until: 2026-09-23

Certification program:	P12-VA-01 Rev. 17 09.20
Certification fundamental(s):	IEC 62716:2013 / EN 62716:2013 + AC:2014.
Registered No.:	44 780 22 406749 - 174
Manufacturer:	see Annex 1
Test Report No.:	492012115.001
File No.:	PVP01027/22P-30



TÜV NORD CERT GmbH
Certification Body
Consumer Products



Essen, 2022-07-27

Please also pay attention to the information stated overleaf.

Description of product(s):

Module types:

Double Glass PV Modules with Mono-crystalline Silicon Half-Cut Bifacial Solar Cells (156.75mm to 166mm):

144 cells: DSxxx-144G1B-01 (xxx=390-410, in steps of 5)

144 cells: DSxxx-144G1B-02 (xxx=390-410, in steps of 5)

144 cells: DSxxx-144G1B-03 (xxx=390-410, in steps of 5)

144 cells: DSxxx-144G1B-04 (xxx=390-410, in steps of 5)

120 cells: DSxxx-120G1B-01 (xxx=325-340, in steps of 5)

120 cells: DSxxx-120G1B-02 (xxx=325-340, in steps of 5)

120 cells: DSxxx-120G1B-03 (xxx=325-340, in steps of 5)

120 cells: DSxxx-120G1B-04 (xxx=325-340, in steps of 5)

144 cells: DSxxx-144M6B-01 (xxx=420-450, in step of 5)

144 cells: DSxxx-144M6B-02 (xxx=420-450, in step of 5)

144 cells: DSxxx-144M6B-03 (xxx=420-450, in step of 5)

144 cells: DSxxx-144M6B-04 (xxx=420-450, in step of 5)

120 cells: DSxxx-120M6B-01 (xxx=350-375, in step of 5)

120 cells: DSxxx-120M6B-02 (xxx=350-375, in step of 5)

120 cells: DSxxx-120M6B-03 (xxx=350-375, in step of 5)

120 cells: DSxxx-120M6B-04 (xxx=350-375, in step of 5)

44 cells: DSxxx-44M6B-01 (xxx=130-135, in step of 5)

44 cells: DSxxx-44M6B-02 (xxx=130-135, in step of 5)

44 cells: DSxxx-44M6B-03 (xxx=130-135, in step of 5)

44 cells: DSxxx-44M6B-04 (xxx=130-135, in step of 5)

Remark: The power parameter included in the module types only indicates maximum power output of front side.

Maximum system voltage: 1500V

Fuse rating: 25A

Application class: Class A

Electrical protection class: Class II

**TÜV NORD CERT GmbH**
Certification Body
Consumer Products

Module types:

Double Glass PV Modules with 182mm Mono-crystalline Silicon Half-Cut Bifacial Solar Cells:

144 cells: DSxxx-144M10B-01 (xxx=525-550, in step of 5)

144 cells: DSxxx-144M10B-02 (xxx=525-550, in step of 5)

144 cells: DSxxx-144M10B-03 (xxx=525-550, in step of 5)

144 cells: DSxxx-144M10B-04 (xxx=525-550, in step of 5)

132 cells: DSxxx-132M10B-01 (xxx=475-500, in step of 5)

132 cells: DSxxx-132M10B-02 (xxx=475-500, in step of 5)

132 cells: DSxxx-132M10B-03 (xxx=475-500, in step of 5)

132 cells: DSxxx-132M10B-04 (xxx=475-500, in step of 5)

120 cells: DSxxx-120M10B-01 (xxx=440-455, in step of 5)

120 cells: DSxxx-120M10B-02 (xxx=440-455, in step of 5)

120 cells: DSxxx-120M10B-03 (xxx=440-455, in step of 5)

120 cells: DSxxx-120M10B-04 (xxx=440-455, in step of 5)

108 cells: DSxxx-108M10B-01 (xxx=395-410, in step of 5)

108 cells: DSxxx-108M10B-02 (xxx=395-410, in step of 5)

108 cells: DSxxx-108M10B-03 (xxx=395-410, in step of 5)

108 cells: DSxxx-108M10B-04 (xxx=395-410, in step of 5)

Remark: The power parameter included in the module types only indicates maximum power output of front side.

Maximum system voltage: 1500V

Fuse rating: 30A

Application class: Class A

Electrical protection class: Class II

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 1 of test report.



TÜV NORD CERT GmbH
Certification Body
Consumer Products