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 from: 2025-05-22
Valid until: 2028-03-23

Certification program:	P12-VA-01 Rev. 17 09.20
Certification fundamental(s):	IEC 61701:2020 / EN IEC 61701:2020
Remark:	Test Method 6
	Test duration: 1344 hours
Registered No.:	44 780 25 406749 - 138
Manufacturer and factory(-ies):	See Annex 1
Test Report No.:	492013782.001
File No.:	PVP03032/25P-02

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Essen, 2025-05-22

Please also pay attention to the information stated overleaf.

Description of product(s):

Module types:	**Double Glass PV Modules with 182mm Half-cut Mono n-type Bifacial Solar Cells:** 156 cells: DSxxx-156M10TB-01 (xxx=610-635, in steps of 5) 144 cells: DSxxx-144M10TB-01 (xxx=545-590, in steps of 5) 108 cells: DSxxx-108M10TB-01 (xxx=415-445, in steps of 5) 156 cells: DSxxx-156M10TB-02 (xxx=610-635, in steps of 5) 144 cells: DSxxx-144M10TB-02 (xxx=545-590, in steps of 5) 108 cells: DSxxx-108M10TB-02 (xxx=415-445, in steps of 5) Remark: xxx indicates output power from the front side only
Maximum system voltage:	1500V
Maximum overcurrent protection rating:	30A
Electrical protection class:	Class II

Module types:	**Double Glass PV Modules with 182.2*183.75 Half-cut Mono n-type Bifacial Solar Cell NM10L16B, N183.75R16B** 156 cells: DSxxx-156M10TB-03 (xxx=610-645, in steps of 5) 144 cells: DSxxx-144M10TB-03 (xxx=570-595, in steps of 5) 108 cells: DSxxx-108M10TB-03 (xxx=420-450, in steps of 5) Remark: xxx indicates output power from the front side only
Maximum system voltage:	1500V
Maximum overcurrent protection rating:	30A
Electrical protection class:	Class II

Module types:	**Double Glass PV Modules with 182.2*186.7 and 182.2*187.5 Half-cut Mono n-type Bifacial Solar Cell NM10L216B, NM10L4-16B** 120 cells: DSxxx-120M10TB-03 (xxx=480-515, in steps of 5) 108 cells: DSxxx-108M10RTB-03 (xxx=430-460, in steps of 5) 120 cells: DSxxx-120M10TB-04 (xxx=480-515, in steps of 5) 108 cells: DSxxx-108M10RTB-04 (xxx=430-460, in steps of 5) Remark: xxx indicates output power from the front side only
Maximum system voltage:	1500V
Maximum overcurrent protection rating:	30A
Electrical protection class:	Class II

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Module types:	**Double Glass PV Modules with 182.2*191.6 Half-cut Mono n-type Bifacial Solar Cell N191.6R16B** 144 cells: DSxxx-144M10RTB-05 (xxx=595-625, in steps of 5) 120 cells: DSxxx-120M10TB-05 (xxx=495-525, in steps of 5) 108 cells: DSxxx-108M10RTB-05 (xxx=445-470, in steps of 5) 144 cells: DSxxx-144M10RTB-06 (xxx=595-625, in steps of 5) 120 cells: DSxxx-120M10TB-06 (xxx=495-525, in steps of 5) 108 cells: DSxxx-108M10RTB-06 (xxx=445-470, in steps of 5) Remark: xxx indicates output power from the front side only
Maximum system voltage:	1500V
Maximum overcurrent protection rating:	30A
Electrical protection class:	Class II

Module types:	**Double Glass PV Modules with 182*199 Half-cut Mono n-type Bifacial Solar Cell N199R-16BB** 144 cells: DSxxx-144M10RTB-07 (xxx=610-640, in steps of 5) 144 cells: DSxxx-144M10RTB-08 (xxx=610-640, in steps of 5) Remark: xxx indicates output power from the front side only
Maximum system voltage:	1500V
Maximum overcurrent protection rating:	35A
Electrical protection class:	Class II

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Module types:	**Double Glass PV Modules with 182*210 and 182.3*210 Half-cut Mono n-type Bifacial Solar Cell N210R16B** 132 cells: DSxxx-132M10RTB-07 (xxx=595-635, in steps of 5) 120 cells: DSxxx-120M10TB-07 (xxx=540-575, in steps of 5) 108 cells: DSxxx-108M10RTB-07 (xxx=485-515, in steps of 5) 96 cells: DSxxx-96M10RTB-07 (xxx=430-460, in steps of 5) 132 cells: DSxxx-132M10RTB-08 (xxx=595-635, in steps of 5) 120 cells: DSxxx-120M10TB-08 (xxx=540-575, in steps of 5) 108 cells: DSxxx-108M10RTB-08 (xxx=485-515, in steps of 5) 96 cells: DSxxx-96M10RTB-08 (xxx=430-460, in steps of 5) Remark: xxx indicates output power from the front side only
Maximum system voltage:	1500V
Maximum overcurrent protection rating:	35A
Electrical protection class:	Class II

Remark:
For detailed product information, please refer to CDF (Constructional Data Form).

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