

# 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: 2024-01-24

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 - 222
Manufacturer:	see Annex 1
Test Report No.:	492012189.001
File No.:	PVP09062/22P-02



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Essen, 2022-09-23

Please also pay attention to the information stated overleaf.

**Description of product(s):**

Module types:

**PV Modules with Segmented 6" PERC Mono-crystalline Silicon Solar Cells:**

432 cells: DSxxxM2-432SSW5 (xxx=445-480, in increment of 5)  
432 cells: DSxxxG1-432SSW5 (xxx=445-480, in increment of 5)  
432 cells: DSxxxG1-432SBB5 (xxx=445-480, in increment of 5)  
432 cells: DSxxxG1-432SBW5 (xxx=445-480, in increment of 5)  
432 cells: DSxxxM2-B432SSW5 (xxx=445-480, in increment of 5)  
432 cells: DSxxxG1-B432SSW5 (xxx=445-480, in increment of 5)  
432 cells: DSxxxG1-B432SBB5 (xxx=445-480, in increment of 5)  
432 cells: DSxxxG1-B432SBW5 (xxx=445-480, in increment of 5)  
408 cells: DSxxxM2-408SSW5 (xxx=395-455, in increment of 5)  
408 cells: DSxxxG1-408SSW5 (xxx=420-455, in increment of 5)  
408 cells: DSxxxG1-408SBB5 (xxx=420-455, in increment of 5)  
408 cells: DSxxxG1-408SBW5 (xxx=420-455, in increment of 5)  
408 cells: DSxxxM6-408SSW5 (xxx=460-500, in increment of 5)  
408 cells: DSxxxM6-408SBB5 (xxx=460-500, in increment of 5)  
408 cells: DSxxxM6-408SBW5 (xxx=460-500, in increment of 5)  
408 cells: DSxxxM6-B408SSW5 (xxx=460-505, in increment of 5)  
408 cells: DSxxxM6-B408SBB5 (xxx=460-500, in increment of 5)  
408 cells: DSxxxM6-B408SBW5 (xxx=460-505, in increment of 5)  
408 cells: DSxxxM2-408SBB5 (xxx=395-435, in increment of 5)  
408 cells: DSxxxM2-408SBW5 (xxx=395-435, in increment of 5)  
408 cells: DSxxxM2-B408SSW5 (xxx=395-455, in increment of 5)  
408 cells: DSxxxG1-B408SSW5 (xxx=420-455, in increment of 5)  
408 cells: DSxxxG1-B408SBB5 (xxx=420-455, in increment of 5)  
408 cells: DSxxxG1-B408SBW5 (xxx=420-455, in increment of 5)  
408 cells: DSxxxM2-B408SBB5 (xxx=395-435, in increment of 5)  
408 cells: DSxxxM2-B408SBW5 (xxx=395-435, in increment of 5)  
360 cells: DSxxxM2-360SSW5 (xxx=370-400, in increment of 5)  
360 cells: DSxxxG1-360SSW5 (xxx=370-400, in increment of 5)  
360 cells: DSxxxG1-360SBB5 (xxx=370-400, in increment of 5)  
360 cells: DSxxxG1-360SBW5 (xxx=370-400, in increment of 5)  
360 cells: DSxxxM2-B360SSW5 (xxx=370-400, in increment of 5)  
360 cells: DSxxxG1-B360SSW5 (xxx=370-400, in increment of 5)  
360 cells: DSxxxG1-B360SBB5 (xxx=370-400, in increment of 5)  
360 cells: DSxxxG1-B360SBW5 (xxx=370-400, in increment of 5)  
340 cells: DSxxxM2-340SSW5 (xxx=325-380, in increment of 5)



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340 cells: DSxxxG1-340SSW5 (xxx=350-380, in increment of 5)  
340 cells: DSxxxG1-340SBB5 (xxx=350-380, in increment of 5)  
340 cells: DSxxxG1-340SBW5 (xxx=350-380, in increment of 5)  
340 cells: DSxxxM6-340SSW5 (xxx=380-415, in increment of 5)  
340 cells: DSxxxM6-340SBB5 (xxx=380-415, in increment of 5)  
340 cells: DSxxxM6-340SBW5 (xxx=380-415, in increment of 5)  
340 cells: DSxxxM6-B340SSW5 (xxx=380-420, in increment of 5)  
340 cells: DSxxxM6-B340SBB5 (xxx=380-415, in increment of 5)  
340 cells: DSxxxM6-B340SBW5 (xxx=380-420, in increment of 5)  
340 cells: DSxxxM2-340SBB5 (xxx=325-360, in increment of 5)  
340 cells: DSxxxM2-340SBW5 (xxx=325-360, in increment of 5)  
340 cells: DSxxxM2-B340SSW5 (xxx=325-380, in increment of 5)  
340 cells: DSxxxG1-B340SSW5 (xxx=350-380, in increment of 5)  
340 cells: DSxxxG1-B340SBB5 (xxx=350-380, in increment of 5)  
340 cells: DSxxxG1-B340SBW5 (xxx=350-380, in increment of 5)  
340 cells: DSxxxM2-B340SBB5 (xxx=325-360, in increment of 5)  
340 cells: DSxxxM2-B340SBW5 (xxx=325-360, in increment of 5)

Maximum system voltage: 1500V  
Fuse rating: 20A  
Application class: Class A  
Electrical protection class: Class II



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Module types:

**PV Modules with Segmented 8" PERC Mono-crystalline Silicon Solar Cells:**

408 cells: DSxxxM12-408SSW6 (xxx=635-655, in increment of 5)  
408 cells: DSxxxM12-B408SSW6 (xxx=635-660, in increment of 5)  
414 cells: DSxxxM12-414SSW6 (xxx=645-655, in increment of 5)  
414 cells: DSxxxM12-B414SSW6 (xxx=645-670, in increment of 5)  
390 cells: DSxxxM12-390SSW6 (xxx=605-625, in increment of 5)  
390 cells: DSxxxM12-B390SSW6 (xxx=605-630, in increment of 5)  
340 cells: DSxxxM12-340SSW6 (xxx=530-545, in increment of 5)  
340 cells: DSxxxM12-B340SSW6 (xxx=530-550, in increment of 5)  
345 cells: DSxxxM12-345SSW6 (xxx=535-550, in increment of 5)  
345 cells: DSxxxM12-B345SSW6 (xxx=535-555, in increment of 5)  
325 cells: DSxxxM12-325SSW6 (xxx=505-520, in increment of 5)  
325 cells: DSxxxM12-B325SSW6 (xxx=505-525, in increment of 5)  
320 cells: DSxxxM12-B320SSW7 xxx=425-445, in increment of 5)  
320 cells: DSxxxM12-B320SBW7 (xxx=425-445, in increment of 5)  
320 cells: DSxxxM12-B320SBB7 (xxx=420-440, in increment of 5)  
305 cells: DSxxxM12-B305SSW7 (xxx=405-425, in increment of 5)  
305 cells: DSxxxM12-B305SBW7 (xxx=405-425, in increment of 5)  
305 cells: DSxxxM12-B305SBB7 (xxx=400-420, in increment of 5)

Maximum system voltage: 1500V  
Fuse rating: 30A or 25A  
Application class: Class A  
Electrical protection class: Class II

Remark:

For detailed product information, please refer to test report.



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