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VERITAS**

# Certificate of compliance

**Applicant:** NingBo Deye Inverter Technology Co., Ltd.  
No. 26 South YongJiang Road, Daqi, Beilun, NingBo  
China

**Product:** Photovoltaic inverter

**Model:** SUN-3K-G06P3-EU-BM2, SUN-4K-G06P3-EU-BM2,  
SUN-5K-G06P3-EU-BM2, SUN-6K-G06P3-EU-BM2,  
SUN-7K-G06P3-EU-BM2, SUN-8K-G06P3-EU-BM2,  
SUN-9K-G06P3-EU-BM2, SUN-10K-G06P3-EU-BM2,  
SUN-12K-G06P3-EU-BM2, SUN-15K-G06P3-EU-BM2,  
SUN-3K-G06P3-EU-BM2-P1, SUN-4K-G06P3-EU-BM2-P1,  
SUN-5K-G06P3-EU-BM2-P1, SUN-6K-G06P3-EU-BM2-P1,  
SUN-7K-G06P3-EU-BM2-P1, SUN-8K-G06P3-EU-BM2-P1,  
SUN-9K-G06P3-EU-BM2-P1, SUN-10K-G06P3-EU-BM2-P1,  
SUN-12K-G06P3-EU-BM2-P1, SUN-15K-G06P3-EU-BM2-P1,  
SUN-3K-G06P3-EU-CM2-P1, SUN-4K-G06P3-EU-CM2-P1,  
SUN-5K-G06P3-EU-CM2-P1, SUN-6K-G06P3-EU-CM2-P1,  
SUN-7K-G06P3-EU-CM2-P1, SUN-8K-G06P3-EU-CM2-P1,  
SUN-9K-G06P3-EU-CM2-P1, SUN-10K-G06P3-EU-CM2-P1,  
SUN-12K-G06P3-EU-CM2-P1, SUN-15K-G06P3-EU-CM2-P1

Inverter for three-phase parallel connection to the public grid. The network monitoring and disconnection device is an integral part of the above-mentioned model.

**Applied rules and standards:**

**Dubai Electricity & Water Authority**

Standards for distributed renewable resources generators connected to the distribution network  
Version 3.0 December 2023  
Appendix D.3 Inverters for Low voltage connected RRGUs

At the time of issue of this certificate, the safety concept of an aforementioned representative product corresponds to the valid safety specifications for the specified use in accordance with regulations.

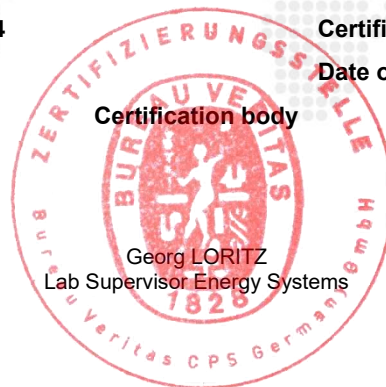
**Report number:** ASUE-ESH-P25070894

**Certificate number:** U25-0693

**Certification Program:** NSOP-0032-DEU-ZE-V10

**Date of issue:** 2025-07-24

**Accreditation**



Accredited certification body by Deutsche Akkreditierungsstelle GmbH (DAkKS) according to ISO/IEC 17065. The accreditation is valid only for the scope listed in the annex of the accreditation certificate D-ZE-12024-01-00. The Deutsche Akkreditierungsstelle GmbH (DAkKS) is signatory of the multilateral arrangements of EA, ILAC and IAF for mutual recognition.

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**Annex certificate of conformity No. U25-0693**

**Extract from test report ASUE-ESH-P25070894 issued by a testing laboratory accredited by “Deutsche Akkreditierungsstelle GmbH (DAkKS)” according to ISO/IEC 17025. The accreditation is only valid for the scope listed in the annex of the accreditation certificate “D-PL-12024-03-04”.**

| <b>Type Approval and declaration of compliance with the requirements of Dubai Electricity &amp; Water Authority</b> |   |                         |                         |                         |
|---|---|-------------------------|-------------------------|-------------------------|
| <b>Manufacturer</b>   | NingBo Deye Inverter Technology Co., Ltd.<br>No. 26 South YongJiang Road, Daqi, Beilun, NingBo<br>China |                         |                         |                         |
| <b>Product type</b>   | Photovoltaic inverter   |                         |                         |                         |
| <b>Static converter model</b>   | SUN-3K-G06P3-EU-BM2   | SUN-4K-G06P3-EU-BM2     | SUN-5K-G06P3-EU-BM2     | SUN-6K-G06P3-EU-BM2     |
| <b>Input DC (photovoltaic)</b>  |   |                         |                         |                         |
| MPP voltage range [V]   | 120-1000  | 120-1000                | 120-1000                | 120-1000                |
| Max. input voltage [V]  | 1100  | 1100                    | 1100                    | 1100                    |
| Max. input current [A]  | 13+13   | 13+13                   | 13+13                   | 13+13                   |
| <b>Output AC</b>  |   |                         |                         |                         |
| Rated AC voltage [V]  | 3L/N/PE, 230/400V, 50Hz   | 3L/N/PE, 230/400V, 50Hz | 3L/N/PE, 230/400V, 50Hz | 3L/N/PE, 230/400V, 50Hz |
| Rated output current [A]  | 4,4   | 5,8                     | 7,3                     | 8,7                     |
| Max. output current [A]   | 4,8   | 6,4                     | 8,0                     | 9,6                     |
| Nom. converter output (P <sub>NINV</sub> ) [kW]   | 3,0   | 4,0                     | 5,0                     | 6,0                     |
| Max. apparent power [kVA]   | 3,3   | 4,4                     | 5,5                     | 6,6                     |
| <b>Static converter model</b>   | SUN-7K-G06P3-EU-BM2   | SUN-8K-G06P3-EU-BM2     | SUN-9K-G06P3-EU-BM2     | SUN-10K-G06P3-EU-BM2    |
| <b>Input DC (photovoltaic)</b>  |   |                         |                         |                         |
| MPP voltage range [V]   | 120-1000  | 120-1000                | 120-1000                | 120-1000                |
| Max. input voltage [V]  | 1100  | 1100                    | 1100                    | 1100                    |
| Max. input current [A]  | 13+13   | 13+13                   | 13+13                   | 13+13                   |
| <b>Output AC</b>  |   |                         |                         |                         |
| Rated AC voltage [V]  | 3L/N/PE, 230/400V, 50Hz   | 3L/N/PE, 230/400V, 50Hz | 3L/N/PE, 230/400V, 50Hz | 3L/N/PE, 230/400V, 50Hz |
| Rated output current [A]  | 10,2  | 11,6                    | 13,1                    | 14,5                    |
| Max. output current [A]   | 11,2  | 12,8                    | 14,4                    | 16,0                    |
| Nom. converter output (P <sub>NINV</sub> ) [kW]   | 7,0   | 8,0                     | 9,0                     | 10,0                    |
| Max. apparent power [kVA]   | 7,7   | 8,8                     | 9,9                     | 11,0                    |



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|   |                         |                         |                         |                         |
|---|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Static converter model</b>                   | SUN-12K-G06P3-EU-BM2    | SUN-15K-G06P3-EU-BM2    | --                      | --                      |
| <b>Input DC (photovoltaic)</b>                  |                         |                         |                         |                         |
| MPP voltage range [V]                           | 120-1000                | 120-1000                | --                      | --                      |
| Max. input voltage [V]                          | 1100                    | 1100                    | --                      | --                      |
| Max. input current [A]                          | 13+13                   | 13+26                   | --                      | --                      |
| <b>Output AC</b>                                |                         |                         |                         |                         |
| Rated AC voltage [V]                            | 3L/N/PE, 230/400V, 50Hz | 3L/N/PE, 230/400V, 50Hz | --                      | --                      |
| Rated output current [A]                        | 17,4                    | 21,8                    | --                      | --                      |
| Max. output current [A]                         | 19,2                    | 24,0                    | --                      | --                      |
| Nom. converter output (P <sub>NINV</sub> ) [kW] | 12,0                    | 15,0                    | --                      | --                      |
| Max. apparent power [kVA]                       | 13,2                    | 16,5                    | --                      | --                      |
| <b>Static converter model</b>                   | SUN-3K-G06P3-EU-BM2-P1  | SUN-4K-G06P3-EU-BM2-P1  | SUN-5K-G06P3-EU-BM2-P1  | SUN-6K-G06P3-EU-BM2-P1  |
| <b>Input DC (photovoltaic)</b>                  |                         |                         |                         |                         |
| MPP voltage range [V]                           | 120-1000                | 120-1000                | 120-1000                | 120-1000                |
| Max. input voltage [V]                          | 1100                    | 1100                    | 1100                    | 1100                    |
| Max. input current [A]                          | 20+20                   | 20+20                   | 20+20                   | 20+20                   |
| <b>Output AC</b>                                |                         |                         |                         |                         |
| Rated AC voltage [V]                            | 3L/N/PE, 230/400V, 50Hz | 3L/N/PE, 230/400V, 50Hz | 3L/N/PE, 230/400V, 50Hz | 3L/N/PE, 230/400V, 50Hz |
| Rated output current [A]                        | 4,4                     | 5,8                     | 7,3                     | 8,7                     |
| Max. output current [A]                         | 4,8                     | 6,4                     | 8,0                     | 9,6                     |
| Nom. converter output (P <sub>NINV</sub> ) [kW] | 3,0                     | 4,0                     | 5,0                     | 6,0                     |
| Max. apparent power [kVA]                       | 3,3                     | 4,4                     | 5,5                     | 6,6                     |



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|   |                         |                         |                         |                         |
|---|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Static converter model</b>                   | SUN-7K-G06P3-EU-BM2-P1  | SUN-8K-G06P3-EU-BM2-P1  | SUN-9K-G06P3-EU-BM2-P1  | SUN-10K-G06P3-EU-BM2-P1 |
| <b>Input DC (photovoltaic)</b>                  |                         |                         |                         |                         |
| MPP voltage range [V]                           | 120-1000                | 120-1000                | 120-1000                | 120-1000                |
| Max. input voltage [V]                          | 1100                    | 1100                    | 1100                    | 1100                    |
| Max. input current [A]                          | 20+20                   | 20+20                   | 20+20                   | 20+20                   |
| <b>Output AC</b>                                |                         |                         |                         |                         |
| Rated AC voltage [V]                            | 3L/N/PE, 230/400V, 50Hz | 3L/N/PE, 230/400V, 50Hz | 3L/N/PE, 230/400V, 50Hz | 3L/N/PE, 230/400V, 50Hz |
| Rated output current [A]                        | 10,2                    | 11,6                    | 13,1                    | 14,5                    |
| Max. output current [A]                         | 11,2                    | 12,8                    | 14,4                    | 16,0                    |
| Nom. converter output (P <sub>NINV</sub> ) [kW] | 7,0                     | 8,0                     | 9,0                     | 10,0                    |
| Max. apparent power [kVA]                       | 7,7                     | 8,8                     | 9,9                     | 11,0                    |
| <b>Static converter model</b>                   | SUN-12K-G06P3-EU-BM2-P1 | SUN-15K-G06P3-EU-BM2-P1 | --                      | --                      |
| <b>Input DC (photovoltaic)</b>                  |                         |                         |                         |                         |
| MPP voltage range [V]                           | 120-1000                | 120-1000                | --                      | --                      |
| Max. input voltage [V]                          | 1100                    | 1100                    | --                      | --                      |
| Max. input current [A]                          | 20+20                   | 20+26                   | --                      | --                      |
| <b>Output AC</b>                                |                         |                         |                         |                         |
| Rated AC voltage [V]                            | 3L/N/PE, 230/400V, 50Hz | 3L/N/PE, 230/400V, 50Hz | --                      | --                      |
| Rated output current [A]                        | 17,4                    | 21,8                    | --                      | --                      |
| Max. output current [A]                         | 19,2                    | 24,0                    | --                      | --                      |
| Nom. converter output (P <sub>NINV</sub> ) [kW] | 12,0                    | 15,0                    | --                      | --                      |
| Max. apparent power [kVA]                       | 13,2                    | 16,5                    | --                      | --                      |



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| <b>Static converter model</b>                   | SUN-3K-G06P3-EU-CM2-P1  | SUN-4K-G06P3-EU-CM2-P1  | SUN-5K-G06P3-EU-CM2-P1  | SUN-6K-G06P3-EU-CM2-P1  |
|---|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Input DC (photovoltaic)</b>                  |                         |                         |                         |                         |
| MPP voltage range [V]                           | 120-1000                | 120-1000                | 120-1000                | 120-1000                |
| Max. input voltage [V]                          | 1100                    | 1100                    | 1100                    | 1100                    |
| Max. input current [A]                          | 20+20                   | 20+20                   | 20+20                   | 20+20                   |
| <b>Output AC</b>                                |                         |                         |                         |                         |
| Rated AC voltage [V]                            | 3L/N/PE, 230/400V, 50Hz | 3L/N/PE, 230/400V, 50Hz | 3L/N/PE, 230/400V, 50Hz | 3L/N/PE, 230/400V, 50Hz |
| Rated output current [A]                        | 4,4                     | 5,8                     | 7,3                     | 8,7                     |
| Max. output current [A]                         | 4,8                     | 6,4                     | 8,0                     | 9,6                     |
| Nom. converter output (P <sub>NINV</sub> ) [kW] | 3,0                     | 4,0                     | 5,0                     | 6,0                     |
| Max. apparent power [kVA]                       | 3,3                     | 4,4                     | 5,5                     | 6,6                     |
| <b>Static converter model</b>                   |                         |                         |                         |                         |
| SUN-7K-G06P3-EU-CM2-P1                          | SUN-8K-G06P3-EU-CM2-P1  | SUN-9K-G06P3-EU-CM2-P1  | SUN-10K-G06P3-EU-CM2-P1 |                         |
| <b>Input DC (photovoltaic)</b>                  |                         |                         |                         |                         |
| MPP voltage range [V]                           | 120-1000                | 120-1000                | 120-1000                | 120-1000                |
| Max. input voltage [V]                          | 1100                    | 1100                    | 1100                    | 1100                    |
| Max. input current [A]                          | 20+20                   | 20+20                   | 20+20                   | 20+20                   |
| <b>Output AC</b>                                |                         |                         |                         |                         |
| Rated AC voltage [V]                            | 3L/N/PE, 230/400V, 50Hz | 3L/N/PE, 230/400V, 50Hz | 3L/N/PE, 230/400V, 50Hz | 3L/N/PE, 230/400V, 50Hz |
| Rated output current [A]                        | 10,2                    | 11,6                    | 13,1                    | 14,5                    |
| Max. output current [A]                         | 11,2                    | 12,8                    | 14,4                    | 16,0                    |
| Nom. converter output (P <sub>NINV</sub> ) [kW] | 7,0                     | 8,0                     | 9,0                     | 10,0                    |
| Max. apparent power [kVA]                       | 7,7                     | 8,8                     | 9,9                     | 11,0                    |



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|   |                         |                         |    |    |
|---|-------------------------|-------------------------|----|----|
| <b>Static converter model</b>                   | SUN-12K-G06P3-EU-CM2-P1 | SUN-15K-G06P3-EU-CM2-P1 | -- | -- |
| <b>Input DC (photovoltaic)</b>                  |                         |                         |    |    |
| MPP voltage range [V]                           | 120-1000                | 120-1000                | -- | -- |
| Max. input voltage [V]                          | 1100                    | 1100                    | -- | -- |
| Max. input current [A]                          | 20+20                   | 20+26                   | -- | -- |
| <b>Output AC</b>                                |                         |                         |    |    |
| Rated AC voltage [V]                            | 3L/N/PE, 230/400V, 50Hz | 3L/N/PE, 230/400V, 50Hz | -- | -- |
| Rated output current [A]                        | 17,4                    | 21,8                    | -- | -- |
| Max. output current [A]                         | 19,2                    | 24,0                    | -- | -- |
| Nom. converter output (P <sub>NINV</sub> ) [kW] | 12,0                    | 15,0                    | -- | -- |
| Max. apparent power [kVA]                       | 13,2                    | 16,5                    | -- | -- |

**Note:**

a) The device is able to limit the Idc to 0.5% of the nominal current.

1) The device is for systems up 400kW.

The inverters of manufacturer NingBo Deye Inverter Technology Co., Ltd. have a maximum apparent power limit. In the case where a system should be able to reach in every working condition a determined power factor, it is necessary to set the maximum active power in such a way, that you can reach at any time the cos φ wanted.

The inverters shall be provided with an IP65 enclosure for outdoor application and IP54 enclosure for indoor application. In this latter case, lower protection grades shall only be permitted if the characteristics of the room will be properly conceived to protect the equipment. The inverter shall be able to withstand the maximum temperatures with effective heating dispersion and with a power derating smaller than or equal to 25 % of its rated power as determined for an ambient temperature of 50 °C at the DC design voltage. This temperature is to be considered the maximum outdoor value at which all equipment, apparatus, materials and accessories used in electrical installations must be capable of operating with satisfactory performance in the climatic conditions of the Emirate of Dubai. In addition, provisions which prevent the increase of the internal heating of the inverters shall be taken for outdoor installation (e.g. protections against direct exposition to the sun). For those inverters which do not comply with the above set rule, a placement in cooled room or enclosures with effective ventilation shall be required, inside which the ambient temperature will be kept below the value which determines a power derating equal to 25 % of the inverter rated power at the DC design voltage.

The inverter is intended for outdoor application and provide an IP65 enclosure.

The inverter is able to keep the power derating smaller or equal to 25% of the rated power at an ambient temperature of 50°C.

**Firmware version**

5612-0326

**Note**

The settings of the product are password protected adjustable.

In case the above stated generators are used with an external protection device, the protection settings of the inverters are to be adjusted according to the manufacturer's declaration.