

# CERTIFICATE

of conformity with the following European Directives

**Low Voltage Directive 2014/35/EU**

This certifies that below described products of the applicant:

**Ningbo Sunways Technologies Co., Ltd.**

No. 1, Second Road, Green Industrial Zone, Chongshou Town,  
315334 Cixi, Ningbo, Zhejiang, PEOPLE'S REPUBLIC OF CHINA

comply to the essential requirements of the above mentioned European Directive and the following standards, taking into account the German national deviations:

**Product(s):** GRID-CONNECTED PV INVERTER

**Model type(s):** STT-15KTL-SE-S, STT-15KTL-SE, STT-20KTL-SE,  
STT-25KTL-SE, STT-30KTL-SE

This certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD CERT GmbH. The holder of this certificate may use this Certificate together with his EC-Declaration of Conformity. The CE marking may be affixed on the product if all relevant and effective Directives are complied with, under full responsibility of the holder.

|                               |                                  |
|-------------------------------|----------------------------------|
| Certification program:        | P33-VA-01 Rev. 02 / 04.20        |
| Certification fundamental(s): | EN 62109-1:2010; EN 62109-2:2011 |
| Registered no.:               | 44 799 25 406749 - 027           |
| Report no.:                   | 492013525.001                    |
| File no.:                     | PVP08163/24E-001                 |

A blue ink signature, likely of a representative of TÜV NORD CERT GmbH.

TÜV NORD CERT GmbH  
Certification Body  
Balance of System (BOS) for Photovoltaics

Essen, 2025-01-23

# ANNEX

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to Certificate registration no. 44 799 25 406749 - 027

Description of product(s):

| Inverter                         |                 |              |              |              |              |
|----------------------------------|-----------------|--------------|--------------|--------------|--------------|
| Model or Type designation        | STT-15KTL-SE-S  | STT-15KTL-SE | STT-20KTL-SE | STT-25KTL-SE | STT-30KTL-SE |
| PV port:                         |                 |              |              |              |              |
| V <sub>max</sub> PV [V d.c.]     | 1100            |              |              |              |              |
| MPPT Voltage Range [V d.c.]      | 200-950         |              |              |              |              |
| Isc PV [A d.c.]                  | 50              | 50/50        |              |              |              |
| Max. Input Current [A d.c.]      | 40              | 40/40        |              |              |              |
| AC Output port:                  |                 |              |              |              |              |
| Rated Output Voltage [V a.c.]    | 3/N/PE, 230/400 |              |              |              |              |
| Rated Output Frequency [Hz]      | 50/60           |              |              |              |              |
| Rated Output Power [W]           | 15000           | 15000        | 20000        | 25000        | 30000        |
| Max. Output Power [W]            | 16500           | 16500        | 22000        | 27500        | 33000        |
| Rated Apparent Output Power [VA] | 15000           | 15000        | 20000        | 25000        | 30000        |
| Max. Apparent Output Power [VA]  | 16500           | 16500        | 22000        | 27500        | 33000        |



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|                                  |                             |      |      |      |      |
|----------------------------------|-----------------------------|------|------|------|------|
| Rated Output Current [A a.c.]    | 21.6                        | 21.6 | 29   | 36.2 | 43.5 |
| Max. Output Current [A a.c.]     | 23.8                        | 23.8 | 31.9 | 39.8 | 47.8 |
| Power Factor cosφ [λ]            | 0.8 leading ... 0.8 lagging |      |      |      |      |
| Others                           |                             |      |      |      |      |
| Protective Class                 | Class I                     |      |      |      |      |
| Inverter Topology                | Transformerless             |      |      |      |      |
| Operation Temperature Range [°C] | -30~60 (derating at 40)     |      |      |      |      |
| Ingress Protection               | IP66                        |      |      |      |      |
| Operating Altitude (m)           | 3000                        |      |      |      |      |
| Overvoltage Category             | DC (PV) II, AC (Main) III   |      |      |      |      |
| Software version                 | V1.00                       |      |      |      |      |

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 3 of evaluation report.



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