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# C E R T I F I C A T E

**No. B 131542 0002 Rev. 01**

**Holder of Certificate:** **TCL Photovoltaic Technology (Shenzhen) Co., Ltd.**
D301, Building A3
No.2533 Guanguang Road
Fenghuang Community, Fenghuang Street, Guangming District
518132 Shenzhen City, Guangdong Province
PEOPLE'S REPUBLIC OF CHINA

**Certification Mark:**

**Product:** **Converter**
**Hybrid Inverter**

**Model(s):** **SP-SRTH-5kW-G1, SP-SRTH-6kW-G1, SP-SRTH-8kW-G1, SP-SRTH-10kW-G1, SP-SRTH-12kW-G1, SP-SRTH-13kW-G1.**

**Parameters:** See next pages.

**Tested according to:**
IEC 62109-1:2010
EN 62109-1:2010
IEC 62109-2:2011
EN 62109-2:2011

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier.
All applicable requirements of the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

**Test report no.:** 5012625003707-01

**Valid until:** 2031-06-16

**Date,** 2026-08-05

( Zhengdong Ma )


TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

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# C E R T I F I C A T E

**No. B 131542 0002 Rev. 01**

| Model | SP-SRTH-5kW-G1 | SP-SRTH-6kW-G1 |
|---|---|---|
| PV INPUT | | |
| Max. DC input power | 7500 W | 9000 W |
| Absolute max. voltage | DC 1000 V | |
| MPPT voltage range | DC 180, …, 980 V | |
| Rated operating voltage | DC 620 V | |
| Max. input current | DC 18/18 A | |
| Isc PV | DC 22/22 A | |
| AC INPUT | | |
| Rated voltage | 3/N/PE AC 220/380 V<br>3/N/PE AC 230/400 V<br>3/N/PE AC 240/415 V | |
| Rated current | AC 14.6 A | AC 17.4 A |
| Max. input current | AC 16.2 A | AC 19.2 A |
| Rated frequency | 50/60 Hz | |
| Max. apparent power | 10000 VA | 12000 VA |
| Power factor | -0.8, …, +0.8 | |
| AC OUTPUT | | |
| Rated power | 5000 W | 6000 W |
| Rated apparent power | 5000 VA | 6000 VA |
| Max. apparent power | 5000 VA | 6000 VA |
| Rated frequency | 50/60 Hz | |
| Rated voltage | 3/N/PE AC 220/380 V<br>3/N/PE AC 230/400 V<br>3/N/PE AC 240/415 V | |
| Rated output current | AC 7.3 A | AC 8.7 A |
| Max. output current | AC 8.1 A | AC 9.6 A |
| Power factor | 1(-0.8, …, +0.8 adjustable) | |
| EPS OUTPUT | | |
| Rated voltage | 3/N/PE AC 220/380 V<br>3/N/PE AC 230/400 V<br>3/N/PE AC 240/415 V | |
| Max. output current | AC 8.1 A | AC 9.6 A |
| Rated frequency | 50/60 Hz | |
| Rated apparent power | 5000 VA | 6000 VA |
| Max. apparent power | 5000 VA | 6000 VA |
| Power factor | -0.8, …, +0.8 | |
| BATTERY | | |
| Battery type | Li-ion | |
| Battery voltage range | DC 160, …, 700 V | |
| Max. charge/discharge current | DC 25 A | |
| General information: | | |
| Protective class | Class I | |
| Ingress protection | IP65 | |
| Overvoltage category | III (AC), II (DC) | |
| Operating temperature range | -25°C, …, +60 °C | |
| Inverter topology | Non-isolated | |
| AFCI type | F-I-AFPE-1-2-1 | |

# C E R T I F I C A T E

## No. B 131542 0002 Rev. 01

| Model | SP-SRTH-8kW-G1 | SP-SRTH-10kW-G1 |
|---|---|---|
| PV INPUT | | |
| Max. DC input power | 12000 W | 15000 W |
| Absolute max. voltage | DC 1000 V | |
| MPPT voltage range | DC 180, …, 980 V | |
| Rated operating voltage | DC 620 V | |
| Max. input current | DC 18/18 A | |
| Isc PV | DC 22/22 A | |
| AC INPUT | | |
| Rated voltage | 3/N/PE AC 220/380 V<br>3/N/PE AC 230/400 V<br>3/N/PE AC 240/415 V | |
| Rated current | AC 23.2 A | AC 26 A |
| Max. input current | AC 25.6 A | AC 26 A |
| Rated frequency | 50/60 Hz | |
| Max. apparent power | 16000 VA | 17900 VA |
| Power factor | -0.8, …, +0.8 | |
| AC OUTPUT | | |
| Rated power | 8000 W | 10000 W |
| Rated apparent power | 8000 VA | 10000 VA |
| Max. apparent power | 8000 VA | 10000 VA |
| Rated frequency | 50/60 Hz | |
| Rated voltage | 3/N/PE AC 220/380 V<br>3/N/PE AC 230/400 V<br>3/N/PE AC 240/415 V | |
| Rated output current | AC 11.6 A | AC 14.5 A |
| Max. output current | AC 12.8 A | AC 16.0 A |
| Power factor | 1(-0.8, …, +0.8 adjustable) | |
| EPS OUTPUT | | |
| Rated voltage | 3/N/PE AC 220/380 V<br>3/N/PE AC 230/400 V<br>3/N/PE AC 240/415 V | |
| Max. output current | AC 12.8 A | AC 16.0 A |
| Rated frequency | 50/60 Hz | |
| Rated apparent power | 8000 VA | 10000 VA |
| Max. apparent power | 8000 VA | 10000 VA |
| Power factor | -0.8, …, +0.8 | |
| BATTERY | | |
| Battery type | Li-ion | |
| Battery voltage range | DC 160, …, 700 V | |
| Max. charge/discharge current | DC 25 A | |
| General information: | | |
| Protective class | Class I | |
| Ingress protection | IP65 | |
| Overvoltage category | III (AC), II (DC) | |
| Operating temperature range | -25°C, …, +60 °C | |
| Inverter topology | Non-isolated | |
| AFCI type | F-I-AFPE-1-2-1 | |

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# C E R T I F I C A T E

## No. B 131542 0002 Rev. 01

| Model | SP-SRTH-12kW-G1 | SP-SRTH-13kW-G1 |
|---|---|---|
| PV INPUT | | |
| Max. DC input power | 20000 W | 20000 W |
| Absolute max. voltage | DC 1000 V | |
| MPPT voltage range | DC 180, …, 980V | |
| Rated operating voltage | DC 620 V | |
| Max. input current | DC 18/18 A | |
| Isc PV | DC 22/22 A | |
| AC INPUT | | |
| Rated voltage | 3/N/PE AC 220/380 V<br>3/N/PE AC 230/400 V<br>3/N/PE AC 240/415 V | |
| Rated current | AC 26 A | AC 26 A |
| Max. input current | AC 26 A | AC 26 A |
| Rated frequency | 50/60 Hz | |
| Max. apparent power | 17900 VA | 17900 VA |
| Power factor | -0.8, …, +0.8 | |
| AC OUTPUT | | |
| Rated power | 12000 W | 13000 W |
| Rated apparent power | 12000 VA | 13000 VA |
| Max. apparent power | 12000 VA | 13000 VA |
| Rated frequency | 50/60 Hz | |
| Rated voltage | 3/N/PE AC 220/380 V<br>3/N/PE AC 230/400 V<br>3/N/PE AC 240/415 V | |
| Rated output current | AC 17.4 A | AC 18.9 A |
| Max. output current | AC 19.2 A | AC 20.8 A |
| Power factor | 1(-0.8, …, +0.8 adjustable) | |
| EPS OUTPUT | | |
| Rated voltage | 3/N/PE AC 220/380 V<br>3/N/PE AC 230/400 V<br>3/N/PE AC 240/415 V | |
| Max. output current | AC 19.2 A | AC 20.8 A |
| Rated frequency | 50/60 Hz | |
| Rated apparent power | 12000 VA | 13000 VA |
| Max. apparent power | 12000 VA | 13000 VA |
| Power factor | -0.8, …, +0.8 | |
| BATTERY | | |
| Battery type | Li-ion | |
| Battery voltage range | DC 160, …, 700 V | |
| Max. charge/discharge current | DC 25 A | |
| General information: | | |
| Protective class | Class I | |
| Ingress protection | IP65 | |
| Overvoltage category | III (AC), II (DC) | |
| Operating temperature range | -25°C, …, +60°C | |
| Inverter topology | Non-isolated | |
| AFCI type | F-I-AFPE-1-2-1 | |


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