

- MAX. EFFICIENCY 98.8%
- IP66 PROTECTION

### STT 80~125kW

Three Phase | 8/10 MPPTs | ON Grid

- Real-time fault curve recording, improve O&M efficiency
- IP68 intelligent fans, lower operation temperature, longer lifespan
- Intelligent quad-core processor, information processing more comprehensive, fast, and efficient

INTELLIGENT



- High yield with Max. Efficiency 98.8%
- Up to 10% continuous output overloading capacity
- 8/10 MPPT design, lower PV string mismatch loss
- DC 2 in 1 connection enabled, compatible with high-power panels

HIGH YIELD



- Support wireless and wired internet connection (RS485, WiFi/GPRS/LAN optional)
- Remote upgrading available
- Fast and easy commissioning via App or OLED display

CONVENIENCE



| Model                            | STT-80KTL                       | STT-100KTL | STT-110KTL | STT-100KTL-HV  | STT-125KTL-HV |
|----------------------------------|---------------------------------|------------|------------|----------------|---------------|
| <b>Input</b>                     |                                 |            |            |                |               |
| Max. Input Power (W)             | 128,000                         | 160,000    | 176,000    | 160,000        | 200,000       |
| Start-up Voltage (V)             | 200                             | 200        | 200        | 200            | 200           |
| Max. DC Input Voltage (V)        | 1,100                           | 1,100      | 1,100      | 1,100          | 1,100         |
| Rated DC Input Voltage (V)       | 620                             | 620        | 620        | 750            | 750           |
| MPPT Voltage Range (V)           | 200-950                         | 200-950    | 200-950    | 200-950        | 200-950       |
| Number of MPP Trackers           | 8                               | 10         | 10         | 10             | 10            |
| Number of DC Inputs per MPPT     | 2                               | 2          | 2          | 2              | 2             |
| Max. Input Current (A)           | 8*32                            | 10*32      | 10*32      | 10*32          | 10*32         |
| Max. Short-circuit Current (A)   | 8*40                            | 10*40      | 10*40      | 10*40          | 10*40         |
| <b>Output</b>                    |                                 |            |            |                |               |
| Rated Output Power (W)**         | 80,000                          | 100,000    | 110,000    | 100,000        | 125,000       |
| Max. Output Power (W)            | 88,000                          | 110,000    | 121,000    | 110,000        | 137,500       |
| Max. Apparent Power (VA)         | 88,000                          | 110,000    | 121,000    | 110,000        | 137,500       |
| Rated Output Voltage (V)**       | 3L/N/PE, 230/400V               |            |            | 3L/PE,288/500V |               |
| Rated AC Frequency (Hz)          | 50/60 45-55/55-65               |            |            |                |               |
| Max. Output Current (A)          | 127                             | 158.8      | 174.8      | 127            | 158.8         |
| Power Factor                     | 0.8 leading...0.8 lagging       |            |            |                |               |
| THDi @ Rated Power               | <3%                             |            |            |                |               |
| DCI                              | < 0.5% In                       |            |            |                |               |
| <b>Efficiency</b>                |                                 |            |            |                |               |
| Max. Efficiency                  | 98.8%                           | 98.8%      | 98.8%      | 98.8%          | 98.8%         |
| Euro Efficiency                  | 98.3%                           | 98.3%      | 98.3%      | 98.3%          | 98.3%         |
| MPPT Efficiency                  | 99.9%                           | 99.9%      | 99.9%      | 99.9%          | 99.9%         |
| <b>Protection</b>                |                                 |            |            |                |               |
| DC Reverse Polarity Protection   | Integrated                      |            |            |                |               |
| Insulation Resistance Detection  | Integrated                      |            |            |                |               |
| DC Switch                        | Optional                        |            |            |                |               |
| Surge Protection                 | Integrated                      |            |            |                |               |
| Over-temperature Protection      | Integrated                      |            |            |                |               |
| Residual Current Protection      | Integrated                      |            |            |                |               |
| Anti-islanding Protection        | Integrated                      |            |            |                |               |
| AC Short-circuit Protection      | Integrated                      |            |            |                |               |
| AC Over-voltage Protection       | Integrated                      |            |            |                |               |
| <b>General Data</b>              |                                 |            |            |                |               |
| Dimensions [W*H*D] (mm)          | 975*680*290                     |            |            |                |               |
| Weight (kg)                      | 79                              | 82         |            |                |               |
| Protection Degree                | IP66                            |            |            |                |               |
| Self-consumption at Night (W)    | < 1                             |            |            |                |               |
| Topology                         | Transformerless                 |            |            |                |               |
| Operating Temperature Range (°C) | -30~60                          |            |            |                |               |
| Relative Humidity (%)            | 0~100                           |            |            |                |               |
| Operating Altitude (m)           | 4000 (derating > 3000)          |            |            |                |               |
| Cooling                          | Smart Fan Cooling               |            |            |                |               |
| Display                          | OLED & LED                      |            |            |                |               |
| Communication                    | RS485, WiFi/GPRS/LAN (Optional) |            |            |                |               |

\*\* Due to differences in voltage values in various countries, minor variations may occur. The final interpretation rights belong to Sunways.