

- MAX 98.8% EFFICIENCY
- 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. 98.8% efficiency
- 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 |
|----------------------------------|---|------------|------------|----------------|---------------|
| Input | | | | | |
| 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 |
| Output | | | | | |
| 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) | 50/60Hz 45-55Hz/55-65Hz | | | | |
| Max. Output Current (A) | 127 | 158.8 | 174.8 | 127 | 158.8 |
| Power Factor | 0.8 leading...0.8 lagging | | | | |
| Max. Total Harmonic Distortion | <3% @Rated Output Power | | | | |
| DCI | < 0.5% In | | | | |
| Efficiency | | | | | |
| Max. Efficiency | 98.8% | 98.8% | 98.8% | 98.8% | 98.8% |
| European Efficiency | 98.3% | 98.3% | 98.3% | 98.3% | 98.3% |
| MPPT Efficiency | 99.9% | 99.9% | 99.9% | 99.9% | 99.9% |
| Protection | | | | | |
| DC Reverse Polarity Protection | Integrated | | | | |
| Insulation Resistance Protection | Integrated | | | | |
| DC Switch | Optional | | | | |
| Surge Protection | Integrated | | | | |
| Over-temperature Protection | Integrated | | | | |
| Residual Current Protection | Integrated | | | | |
| Anti-islanding protection | Frequency shift, Integrated | | | | |
| AC Short-circuit Protection | Integrated | | | | |
| AC Over-voltage Protection | Integrated | | | | |
| General Data | | | | | |
| Dimensions (mm) | 975W*680H*290D | | | | |
| 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) | | | | |
| Compliance | CEI-016, CEI-021, EN50549, IEC61727, IEC62116, IEC60068, IEC61683, NB/T-32004, UNE217001, UNE 217002, PO.12.3, NTS631, NRS09721, PTPIREE, G99, VDE0126, PEA, MEA, EN61000, IEC62109 | | | | |

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