

- 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
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)	50/60 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				
Efficiency					
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%
Protection					
DC Reverse Polarity Protection	Integrated				
Insulation Resistance Detection	Integrated				
DC Switch	Integrated				
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				
General Data					
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)				

** for G99 setting the Maximum output power in (W) and Maximum Apparent power (VA) is equal to Rated output power in W.