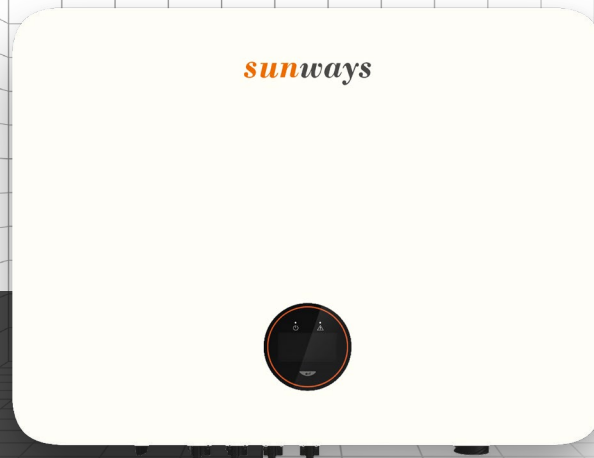




- MAX. EFFICIENCY 98.6%
- IP66 PROTECTION

STT 10~20kW

Three Phase | 2/2 MPPTs | On Grid

- Integrated surge protection for both DC and AC
- IP65 design ensures reliable performance for outdoor applications
- Integrated AFCI Functionality for Enhanced Safety
- Capable of operating flawlessly under phase shifts and harmonic grids

SAFE & RELIABLE



- High yield with Max. Efficiency 98.6% , European weighted efficiency 98.2%
- Up to 150% Oversizing of Attached PV Arrays for Increased Flexibility and Efficiency
- Increased PV panels current to 20A and MPPT switching frequency to 20KHz, reducing overall weight
- Up to 10% continuous output overloading capacity

HIGH YIELD



- Support wireless and wired internet connection (RS485, WiFi/GPRS/LAN optional)
- Remote upgrading available
- Real-time temperature monitoring and protection for multiple power transistors
- Effortless commissioning and monitoring through the Sunways Portal APP

EASY TO USE



Model	STT-10KTL-SE-LV	STT-15KTL-SE-LV	STT-20KTL-SE-LV
Input			
Start-up Voltage (V)	180	180	180
Max. DC Input Voltage (V)	750	750	750
Rated DC Input Voltage (V)	360	360	360
MPPT Voltage Range (V)	200-650	200-650	200-650
No. of MPP Trackers	2	2	2
No. of DC Inputs per MPPT	2	2	2
Max. Input Current (A)	40/40	40/40	40/40
Max. Short-circuit Current (A)	50/50	50/50	50/50
Output			
Rated Output Power (W)	10000	15000	20,000
Max. Output Power (W)	11000	16500	22,000
AC output rated apparent power (VA)	10000	15000	20,000
Max. Apparent Power (VA)	11000	16500	22,000
Rated Output Voltage (V)	3 / N / PE, 127 / 220V		
Rated AC Frequency (Hz)	50/60	50/60	50/60
AC output rated current (A)	26.2	39.4	52.5
Max. Output Current (A)	28.9	43.3	57.8
Power Factor	0.8 leading ...0.8 lagging		
THDi @ Rated Power	<3%		
DCI	<0.5%In		
Efficiency			
Max. Efficiency	98.6%	98.6%	98.6%
Euro Efficiency	98.2%	98.2%	98.2%
MPPT Efficiency	99.9%	99.9%	99.9%
Protection			
DC Reverse Polarity Protection	Integrated		
Insulation Resistance Protection	Integrated		
DC Switch	Optional		
AFCI	Optional		
Surge Protection	Integrated		
Over-temperature Protection	Integrated		
Residual Current Protection	Integrated		
Islanding protection	Integrated		
AC Short-circuit Protection	Integrated		
AC Over-voltage Protection	Integrated		
General Data			
Dimensions [W*H*D] (mm)	550*410*199		
Weight (kg)	27.4		
Protection Degree	IP66		
Self-consumption at Night (W)	<1		
Topology	Transformerless		
Operating Temperature Range (° C)	-30-60		
Relative Humidity (%)	0~100%		
Operating Altitude (m)	3000		
Cooling	Natural Convection		
Noise Level (dB)	<25		
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.