



- MAX. EFFICIENCY 98.1%
- IP66 PROTECTION

STS 7.5~8kW

Single Phase | 2 MPPTs | On Grid

- High reliability due to good heat dissipation design
- Integrated lightning protection for both DC and AC
- Adapt to complex grid environments
- High anti-corrosion ability with aluminum alloy die casting technology
- Wider working temperature and altitude, adapt to various installation environments

SAFE & RELIABLE



- High yield with Max. Efficiency 98.1%
- European weighted efficiency 97.5%
- Wide MPPT voltage range
- With a max input current of 20A, compatible with high-power panels

HIGH YIELD



- Compact elegant design, light weight, one-person installation
- Plug and play connectors, easy for installation
- Support wireless and wired internet connection (RS485/WiFi/GPRS/LAN optional)
- Remote upgrading available
- Fast and easy configuration via App or OLED display

EASY TO USE



Model	STS-7.5KTL-SE	STS-8KTL-SE
Input		
Start-up Voltage (V)	100	100
Max. DC Input Voltage (V)	600	600
Rated DC Input Voltage (V)	360	360
MPPT Voltage Range (V)	80~550	80~550
No. of MPP Trackers	2	2
No. of DC Inputs per MPPT	1/1	1/1
Max. Input Current (A)	20/20	20/20
Max. Short-circuit Current (A)	25/25	25/25
Output		
Rated Output Power (W)**	7500	8000
Max. Output Power (W)	7500	8000
AC output rated apparent power(VA)	7500	8000
Max. Apparent Power (VA)	7500	8000
Grid Type (V)**	220/230	
Rated AC Frequency (Hz)	50/60	
AC output rated current(A)	32.6	34.8
Max. Output Current (A)	34.1	36.3
Power Factor	0.8 leading ...0.8 lagging	
THDi @ Rated Power	<3% @Rated Output Power	
DCI	<0.5%In	
Efficiency		
Max. Efficiency	98.1%	
Euro Efficiency	97.5%	
MPPT Efficiency	99.9%	
Protection		
DC Reverse Polarity Protection	Integrated	
Insulation Resistance Detection	Integrated	
Dc Switch	Optional	
AFCI	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	
General Data		
Dimensions [W*H*D] (mm)	410*360*120	
Weight (kg)	13	
Protection Degree	IP66	
Self-consumption at Night (W)	<1	
Topology	Transformer less	
Operating Temperature Range (° C)	-30~60	
Relative Humidity (%)	0~100	
Operating Altitude (m)	3000 (derating@ > 2000)	
Cooling	Smart Fan Cooling	
Noise Level (dB)	< 25	
Display	OLED	
Communication	RS485/WiFi/GPRS/LAN (Optional)	

** Due to differences in voltage values in various countries, minor variations may occur.