



- MAX. EFFICIENCY 98.1%
- IP66 PROTECTION
- AFCI OPTION, SAFETY UP

STS 3~6kW

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 97.6%
- Wide MPPT voltage range
- Up to 10% continuous output overloading capacity
- 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-3KTL-SE	STS-3.6KTL-SE	STS-4KTL-SE	STS-4.6KTL-SE	STS-5KTL-SE	STS-6KTL-SE
Input						
Max. Input Power (W)	4800	5760	6400	7360	8000	9600
Start-up Voltage (V)	80	80	80	80	80	80
Min. DC Voltage (V)	100	100	100	100	100	100
Max. DC Input Voltage (V)	600	600	600	600	600	600
Rated DC Input Voltage (V)	360	360	360	360	360	360
MPPT Voltage Range (V)	100~550	100~550	100~550	100~550	100~550	100~550
No. of MPP Trackers	2	2	2	2	2	2
No. of DC Inputs per MPPT	1/1	1/1	1/1	1/1	1/1	1/1
Max. Input Current (A)	20/20	20/20	20/20	20/20	20/20	20/20
Max. Short-circuit Current (A)	25/25	25/25	25/25	25/25	25/25	25/25
Output						
Rated Output Power (W)**	3000	3680	4000	4600	5000/4990	6000
Max. Output Power (W)	3300	3680	4400	5060	5500/4990	6600
Max. Apparent Power (VA)	3300	3680	4400	5060	5500/4990	6600
Grid Type (V)**	220/230					
Rated AC Frequency (Hz)	50/60					
Max. Output Current (A)	15	16	20	23	25/21.7	30
Power Factor	0.8 leading...0.8 lagging					
THDi @ Rated Power	<3%					
DCI	<0.5%In					
Efficiency						
Max. Efficiency	98.1%	98.1%	98.1%	98.1%	98.1%	98.1%
Euro Efficiency	97.3%	97.3%	97.3%	97.3%	97.5%	97.6%
MPPT Efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
Protection						
DC Reverse Polarity Protection	Integrated					
Insulation Resistance Detection	Integrated					
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)	11.5					
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 (derating > 2000)					
Cooling	Natural Convection					
Noise Level (dB)	< 25					
Display	OLED(Optional)					
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.