



- MAX. EFFICIENCY 97.5%
- IP65 PROTECTION

STS 1~3.3kW

Single Phase | 1 MPPT | ON Grid

- High reliability due to good heat dissipation design
- Integrated lightning protection for both DC and AC
- Adapt to complex power grid
- 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 97.5%
- European weighted efficiency 97%
- Wide MPPT voltage range
- Up to 10% continuous output overloading capacity
- Single MPPT design with precise MPPT algorithm

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-1KTL-S-P	STS-1.5KTL-S-P	STS-2KTL-S-P	STS-2.5KTL-S-P	STS-3KTL-S-P	STS-3.3KTL-S-P*
Input						
Max. Input Power (W)	1,600	2,400	3,200	4,000	4,800	4,800
Start-up Voltage (V)	60	60	60	60	60	60
Min. DC Voltage (V)	55	55	55	55	55	55
Max. DC Input Voltage (V)	500	500	500	500	500	500
Rated DC Input Voltage (V)	360	360	360	360	360	360
MPPT Voltage Range (V)	80-450	80-450	80-450	80-450	80-450	80-450
Number of MPP Trackers	1	1	1	1	1	1
Number of DC Inputs per MPPT	1	1	1	1	1	1
Max. Input Current (A)	16	16	16	16	16	16
Max. Short-circuit Current (A)	20	20	20	20	20	20
Output						
Rated Output Power (W)**	1,000	1,500	2,000	2,500	3,000	3,300
Max. Output Power (W)	1,100	1,650	2,200	2,750	3,300	3,300
Max. Apparent Power (VA)	1,100	1,650	2,200	2,750	3,300	3,300
Rated Output Voltage (V)**	220/230					
Rated AC Frequency (Hz)	50/60 45-55/55-65					
Max. Output Current (A)	4.8	7.2	9.6	12	14.4	14.4
Power Factor	0.8 leading...0.8 lagging					
THDi @ Rated Power	< 3%					
DCI	< 0.5%In					
Efficiency						
Max. Efficiency	97.3%	97.3%	97.5%	97.5%	97.5%	97.5%
Euro Efficiency	96.4%	96.4%	97.0%	97.0%	97.0%	97.0%
MPPT Efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
Protection						
DC Reverse Polarity Protection	Integrated					
Insulation Resistance Detection	Integrated					
DC Switch	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)	327*297*114					
Weight (kg)	6.5					
Protection Degree	IP65					
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	Natural Convection					
Noise Level (dB)	< 25					
Display	OLED & LED					
Communication	RS485/WiFi/GPRS/LAN (Optional)					

* STS 3.3KTL-S-P is only available for India.

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