

ON-GRID INVERTER



- MAX. EFFICIENCY 97.5%
- IP66 PROTECTION

STS 3~4kW

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 97.6%
- European weighted efficiency 97.2%
- 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-3KTL-M	STS-3.3KTL-M	STS-3.6KTL-M	STS-4KTL-M
Input				
Start-up Voltage (V)	100	100	100	100
Max. DC Input Voltage (V)	600	600	600	600
Rated DC Input Voltage (V)	360	360	360	360
MPPT Voltage Range (V)	80-550	80-550	80-550	80-550
Number of MPP Trackers	1	1	1	1
Number 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)**	3,000	3,300	3,680	4,000
Max. Output Power (W)	3,300	3,300	3,680	4,000
AC output rated apparent power (VA)	3,000	3,300	3,680	4,000
Max. Apparent Power (VA)	3,300	3,300	3,680	4,000
Grid Type (V)**	220/230			
Rated AC Frequency (Hz)	50/60			
AC output rated current (A)	13	14.3	16	17.4
Max. Output Current (A)	13.6	15	16	18.2
Power Factor	0.8 leading...0.8 lagging			
THDi @ Rated Power	<3% @Rated Output Power			
DCI	< 0.5%In			

Efficiency

Max. Efficiency	98.1%	98.1%	98.1%	98.1%
Euro Efficiency	97.5%	97.5%	97.5%	97.5%
MPPT Efficiency	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	IP66
Self-consumption at Night (W)	< 1
Topology	Transformerless
Operating Temperature Range (°C)	-30~60
Relative Humidity (%)	0~100
Operating Altitude (m)	3000
Cooling	Smart Fan Cooling
Noise Level (dB)	<40
Display	OLED
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.