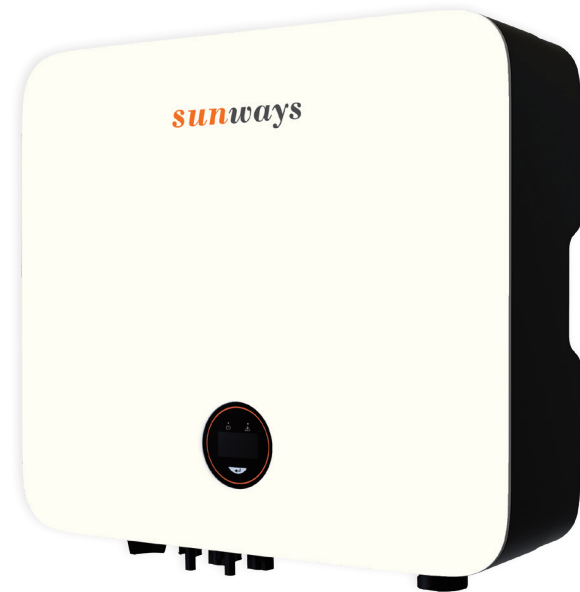


sunways

Sunways Single Phase with Dual MPPT
STS-3K/3.6K/4.2K/4.6K/5K/6KTL

MAX 98.1% EFFICIENCY

IP65 PROTECTION



Safe & Reliable

- High reliability due to good heat dissipation design
- IP65, wider working temperature and altitude, adapt to various installation environments
- Integrated lightning protection for both DC and AC
- Adapt to complex power grid
- High anti-corrosion ability with aluminum alloy die casting technology



High Revenue

- High yield with Max. 98.1% efficiency
- European weighted efficiency 97.5%
- Wide MPPT voltage range
- Up to 10% continuous output overloading capacity
- Dual MPPT design with precise MPPT algorithm
- Standard 12 years warranty, extendable to 15 or 20 years



Easy to use

- Compact elegant design, light weight, one-person installation
- Plug and play connectors, easy for installation
- Support wireless and wired internet connection (RS485, Wi-Fi/GPRS/LAN optional)
- Remote upgrading available
- Intelligent positioning abnormal string with integrated I/V scan function

TECHNICAL PARAMETERS

SINGLE PHASE:STS-3K/3.6K/4.2K/4.6K/5KTL

Model	STS-3KTL	STS-3.6KTL	STS-4.2KTL	STS-4.6KTL	STS-5KTL
Input					
Max. Input Power (W)	4,500	5,400	6,300	6,900	7,500
Start-up Voltage (V)	120	120	120	120	120
Min. DC Voltage (V)	100	100	100	100	100
Max. DC Input Voltage (V)	600	600	600	600	600
Rated DC Input Voltage (V)	360	360	360	360	360
MPPT Voltage Range (V)	100-550	100-550	100-550	100-550	100-550
No. of MPP Trackers	2	2	2	2	2
No. of DC Inputs per MPPT	1/1	1/1	1/1	1/1	1/1
Max. Input Current (A)	12.5/12.5	12.5/12.5	12.5/12.5	12.5/12.5	12.5/12.5
Max. Short-circuit Current (A)	15/15	15/15	15/15	15/15	15/15
Output					
Rated Output Power (W)	3,000	3,600	4,200	4,600	5,000
Max. Output Power (W)	3,300	3,960	4,600	4,600	5,500 *
Max. Apparent Power (VA)	3,300	3,960	4,600	4,600	5,500 *
Rated Output Voltage (V)	220/230				
Rated AC Frequency (Hz)	50/60Hz 45-55Hz/55-65Hz				
Max. Output Current (A)	15	18	21	21	25 **
Power Factor	0.8 leading ...0.8 lagging				
Max. Total Harmonic Distortion	<3% @Rated Output Power				
DCI	<0.5%In				
Efficiency					
Max. Efficiency	98.1%	98.1%	98.1%	98.1%	98.1%
European Efficiency	97.5%	97.5%	97.5%	97.5%	97.5%
MPPT Efficiency	99.9%	99.9%	99.9%	99.9%	99.9%
Protection					
DC Reverse Polarity Protection	Integrated				
Insulation Resistance Protection	Integrated				
DC Switch	Optional				
Surge Protection	Integrated (Type II)				
Over-temperature Protection	Integrated				
Residual Current Protection	Integrated				
Islanding Protection	Integrated				
AC Short-circuit Protection	Integrated				
AC Over-voltage Protection	Integrated				
General Data					
Dimensions (mm)	410W*360H*120D				
Weight (kg)	13				
Protection Degree	IP65				
Self-consumption at Night (W)	<1				
Topology	Transformer-less				
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)				
Compliance	NB/T32004, IEC62109, IEC62116, VDE4105, VDE0126, UTE C15-712-1, AS4777, C10/11, CEI0-21, RD1699, NBR16149, IEC61727, IEC60068, IEC61683, EN50549, EN61000				

* The default Max. Output Power is 4999 W in Australia, which can be increased to 5500 W through the inverter screen settings if Australian DNSPs & local authorities' allow it.

**The default Max. Apparent Power is 4999 VA in Australia, which can be increased to 5500 VA through the inverter screen settings if Australian DNSPs & local authorities' allow it.