

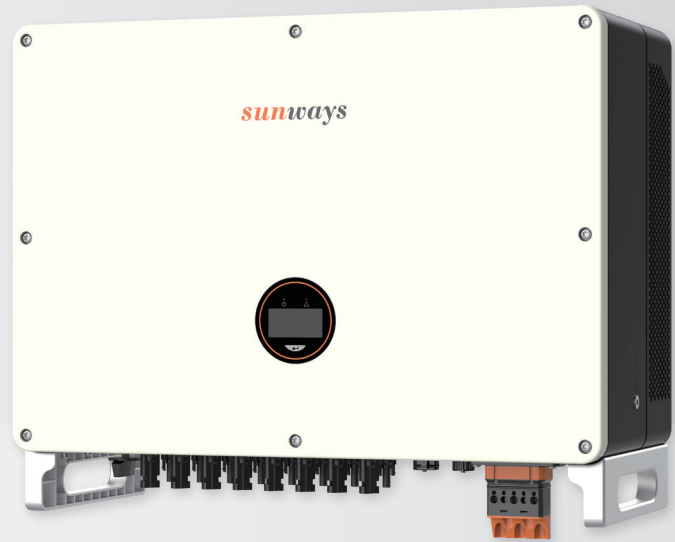
# *sunways*

Sunways Three Phase with Four MPPT

STT-30K~60KTL

MAX 98.8% EFFICIENCY

IP66 PROTECTION



SAFE & RELIABLE

- 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 enclosure
- IP66, can be used in broader variety of harsh installation environments



HIGH YIELD

- High yield with Max. 98.8% efficiency
- European weighted efficiency 98.3%
- Wide MPPT voltage range
- Up to 10% continuous output overloading capacity
- DC 2 in 1 connection enabled, compatible with high-power panels



EASY TO USE

- 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



Model	STT-29.9KTL	STT-30KTL	STT-33KTL	STT-36KTL	STT-40KTL	STT-45KTL	STT-50KTL-M	STT-60KTL-M
<b>Input</b>								
Max. Input Power (W)	47,840	48,000	52,800	57,600	64,000	72,000	80,000	96,000
Start-up Voltage (V)	180	180	180	180	180	180	180	180
Max. DC Input Voltage (V)	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100
Rated DC Input Voltage (V)	620	620	620	620	620	620	620	620
MPPT Voltage Range (V)	180-1000	180-1000	180-1000	180-1000	180-1000	180-1000	180-1000	180-1000
No. of MPP Trackers	4	4	4	4	4	4	4	4
No. of DC Inputs per MPPT	2	2	2	2	2	2	2	2
Max. Input Current (A)	26/26/26/26	26/26/26/26	26/26/26/26	26/26/26/26	26/26/26/26	26/26/26/26	26/26/26/26	26/26/26/26
Max. Short-circuit Current (A)	40/40/40/40	40/40/40/40	40/40/40/40	40/40/40/40	40/40/40/40	40/40/40/40	40/40/40/40	40/40/40/40
<b>Output</b>								
Rated Output Power (W)	29,900	30,000	33,000	36,000	40,000	45,000	50,000	60,000
Max. Output Power (W)	29,900	33,000	36,300	39,600	44,000	49,500	55,000	60,000
AC output rated apparent power(VA)	29,900	30,000	33,000	36,000	40,000	45,000	50,000	60,000
Max. Apparent Power (VA)	29,900	33,000	36,300	39,600	44,000	49,500	55,000	60,000
Rated Output Voltage (V)	3 L/ N / PE, 380 / 400V							
Rated AC Frequency (Hz)	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60
AC output rated current (A)	43.3	43.5	47.8	52.2	58.0	65.2	72.5	87.0
Max. Output Current (A)	43.3	47.8	52.6	57.4	63.8	71.7	79.7	87.0
Power Factor	0.8 leading ...0.8 lagging							
Max. total harmonic distortion	<3% @Rated Output Power							
DCI	<0.5%In							
<b>Efficiency</b>								
Max. Efficiency	98.8%	98.8%	98.8%	98.8%	98.8%	98.8%	98.8%	98.8%
European Efficiency	98.3%	98.3%	98.3%	98.3%	98.3%	98.3%	98.3%	98.3%
MPPT Efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
<b>Protection</b>								
DC Reverse Polarity Protection	Integrated							
Insulation Resistance Protection	Integrated							
DC Switch	Integrated							
Surge Protection	Integrated							
Over-temperature Protection	Integrated							
Residual Current Protection	Integrated							
Islanding protection	Frequency shift, Integrated							
AC Short-circuit Protection	Integrated							
AC Over-voltage Protection	Integrated							
<b>General Data</b>								
Dimensions (mm)	600W*400H*270D							
Weight (KG)	42							
Protection Degree	IP66							
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	Smart Fan Cooling							
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							