

MAX 98.3% 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 die casting technology
- IP66, can be used in broader variety of harsh installation environments



HIGH YIELD

- High yield with Max. 98.3% efficiency
- European weighted efficiency 98.0%
- Wide MPPT voltage range
- Up to 10% continuous output overloading capacity
- With a max input current of 15A, compatible with high-power panels



EASY TO USE

- Compact elegant design, weight only 14kg, 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

Model	SCO-3KTL-MS	SCO-3KTL-M	SCO-4KTL-M	SCO-5KTL-M	SCO-6KTL-M
Input					
Max. Input Power (W)	4,800	4,800	6,400	8,000	9,600
Start-up Voltage (V)	135	135	135	135	135
Max. DC Input Voltage (V)	1,100	1,100	1,100	1,100	1,100
Rated DC Input Voltage (V)	620	620	620	620	620
MPPT Voltage Range (V)	120-1000	120-1000	120-1000	120-1000	120-1000
No. of MPP Trackers	1	2	2	2	2
No. of DC Inputs per MPPT	1	1/1	1/1	1/1	1/1
Max. Input Current (A)	15	15/15	15/15	15/15	15/15
Max. Short-circuit Current (A)	20	20/20	20/20	20/20	20/20
Output					
Rated Output Power (W)	3,000	3,000	4,000	5,000	6,000
Max. Output Power (W)	3,300	3,300	4,400	5,500	6,600
AC output rated apparent power(VA)	3,000	3,000	4,000	5,000	6,000
Max. Apparent Power (VA)	3,300	3,300	4,400	5,500	6,600
Rated Output Voltage (V)	3 L / N / PE, 230 / 400V				
Rated AC Frequency (Hz)	50/60	50/60	50/60	50/60	50/60
AC output rated current (A)	4.4	4.4	5.8	7.3	8.7
Max. Output Current (A)	5	5	6.7	8.4	10
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%	98.3%
European Efficiency	97.9%	97.9%	97.9%	97.9%	98.0%
MPPT Efficiency	99.9%	99.9%	99.9%	99.9%	99.9%
Protection					
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				
General Data					
Dimensions (mm)	410W*360H*120D				
Weight (KG)	14				
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 (depreciativo@ > 3000)				
Cooling	Natural Convection				
Display	OLED & LED				
Communication	RS485/WiFi/ GPRS/LAN(Optional)				
Compliance	NB/T32004、IEC62109、IEC62116、VDE4105、VDE0126、UTE C15-712-1、AS477 C10/11、CEIO-21、RD1699、NBR16149、IEC61727、IEC60068、IEC61683、EN50549、EN6000				