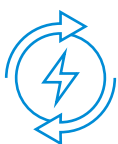


SINGLE PHASE & TRIPLE MPPT

SE 7.5/8/10/10.5KTL-T1

Application: Residential Use



SUPERIOR PERFORMANCE

- Maximum efficiency of 98.2%
- Large string current, compatible with large PV modules
- Wide voltage range, compatible with various power grids



HIGH RELIABILITY

- IP66 protection level for outdoor installation
- Optional: DC/AC Type II SPD
- Optional: AFCI 2.0 function



INTELLIGENT MAINTENANCE

- Power consumption monitoring
- Remote configuration and upgrade
- Quick commissioning via mobile app
- Multiple I/O and communication configurations



Model	SE 7K5TL-T1		SE 10KTL-T1		SE 10K5TL-T1	
Efficiency						
Max. Efficiency			98.2%			
European Efficiency			97.5%			
Input (PV)						
Max. Input Voltage			550V			
Max. PV Configuration			200%			
Rated Input Voltage			360V			
Max. Input Current			20A/20A/20A			
Max. Short Circuit Current			30A/30A/30A			
Start Input Voltage			50V			
MPPT Operating Voltage Range			40V-540V			
Number of MPPTs			3			
No. of PV Strings			1/1/1			
Output (Grid)						
Rated AC Active Power	7,500W	8,000W	10,000W	10,500W		
Max. AC Apparent Power	8,250VA	8,800VA	11,000VA	11,550VA		
Max. AC Output Current	35A	40A	50A	50A		
Rated AC Voltage	220V/230V/240V, L+N+PE					
AC Voltage Range①	160V-300V (Adjustable)					
Rated Grid Frequency	50Hz/60Hz					
Grid Frequency Range②	45Hz-55Hz/55Hz-65Hz (Adjustable)					
THDI	<3% (Rated Power)					
DC Current Injection	<0.5%In					
Power Factor	>0.99 Rated power (Adjustable 0.8 LD - 0.8 LG)					
Protection						
DC Switch	Yes					
Anti-islanding Protection	Yes					
AC Overcurrent Protection	Yes					
AC Short Circuit Protection	Yes					
DC Reverse Protection	Yes					
Surge Arrester	Yes					
Insulation Detection	DC Type III(Type II optional) / AC Type III(Type II optional)					
Leakage Current Protection	Yes					
AFCI 2.0	Yes					
PID Recovery	Optional					
String Intelligent Monitoring	Optional					
Consumption Monitoring	Yes					
General						
Topology	Transformerless					
IP Rating	IP66					
Night Self Consumption	<1W (Standard)					
Cooling	Natural cooling					
Operating Temperature Range	-25°C-60°C					
Relative Humidity Range	0-100%					
Max. Operating Altitude	4000m					
Dimensions (W*H*D)	339mm*313mm*170mm					
Weight	10Kg					
HMI & COM						
Display						
Communication	Wireless & APP+LED, LCD (Optional)					
Certification						
	RS485 / WiFi / 4G / LAN					
Safety						
Grid Code	IEC 62109-1, IEC 62109-2					
Warranty	IEC 61727/62116, PORTARIA n°140, PORTARIA n°515					
	5 Years / 10 Years (Optional)					

Remarks: -①② The range of output voltage and frequency may vary depending on different grid codes.
 . Specifications are subject to change without advanced notice.

