

THREE PHASE & MULTIPLE MPPT

SE 25KTL-TL3, SE 30/36KTL-QL3/G2

Application: Commercial & Industrial Sites



SUPERIOR PERFORMANCE

- Maximum efficiency of 98.0%
- Large string current, compatible with large PV modules



HIGH RELIABILITY

- IP66 protection level for outdoor installation
- DC/AC Type II SPD
- Optional: AFCI, Night SVG, I/V detection, and integrated PID



INTELLIGENT MAINTENANCE

- Power consumption monitoring
- Remote configuration and upgrade
- Quick commissioning via mobile app
- String level current detection



Model	SE 25KTL-TL3		SE 30KTL-QL3/G2	SE 36KTL-QL3/G2
Efficiency				
Max. Efficiency	97.8%		97.8%	98.0%
Input (PV)				
Max. Input Voltage	800V			
Max. PV configuration (STC)	150%			
Rated Input Voltage	360V			
Max. Input Current	32A/32A/40A	32A/32A/32A/40A	32A/32A/32A/40A	
Max.Short Circuit Current	45A/45A/50A	45A/45A/45A/50A	45A/45A/45A/50A	
Start Input Voltage	200V			
MPPT Operating Voltage Range	180-800V			
Max. Number of PV Strings	2/2/2	2/2/2/2	2/2/2/2	
No. of MPPTs	3	4	4	
Output (Grid)				
Rated AC Active Power	25,000W	30,000W	35,000W	
Max. AC Apparent Power	27,800VA	33,400VA	35,100VA	
Max. AC Output Current	3*73A	3*87.7A	3*92A	
Rated AC Voltage	220V, 3L/N/PE, 3L/PE			
AC Voltage Range①	187V-300V (Adjustable)			
Rated Grid Frequency	50Hz/60Hz			
Grid Frequency Range②	45-55Hz/55-65Hz (Adjustable)			
THDI	<3% (Rated Power)			
DC Current Injection	<0.5In			
Power Factor	>0.99 Rated power (Adjustable 0.8 LD - 0.8LG)			
Protection				
DC Switch	Yes			
Anti-Islanding Protection	Yes			
AC Overcurrent Protection	Yes			
AC Short Circuit Protection	Yes			
DC Reverse Protection	Yes			
Surge Arrester	DC Level II / AC Type II			
Insulation Detection	Yes			
Leakage Current Protection	Yes			
AC SPS	Optional			
PID	Optional			
AFCI	Optional			
General				
Topology	Transformerless			
IP Rating	IP66			
Night Self Consumption	<1W (Standard)			
Cooling	Fan cooling			
Operating Temperature Range	-25℃ -60℃			
Relative Humidity Range	0-100%			
Max. Operating Altitude	4000m			
Dimensions (W*H*D)	635mm*530mm*224mm	635mm*530mm*233mm		
Weight	41.5Kg	42Kg		
HMI & COM				
Display	Wireless & APP+LED, LCD (Optional)			
Communication	RS485, Optional: WiFi/GPRS/LAN			
Certification				
Safety	IEC 62109-1, IEC 62109-2			
Grid Code	IEC 61727, IEC62116			
Warranty	5 Years			

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

