

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	40A+2*32A	40A+3*32A	40A+3*32A
Max.Short Circuit Current	50A+2*45A	50A+3*45A	50A+3*45A
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 Range ^①	187V-300V (Adjustable)		
Rated Grid Frequency	50Hz/60Hz		
Grid Frequency Range ^②	45-55Hz/55-65Hz (Adjustable)		
THDI	<3% (Rated Power)		
DC Current Injection	<0.5%In		
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°C -60°C		
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: · ^{①②}The range of output voltage and frequency may vary depending on different grid codes.
· Specifications are subject to change without advanced notice.