

THREE PHASE & MULTIPLE MPPT

SE 30KTL-T3/G2, SE 50KTL-Q3/G2

Application: Commercial & Industrial Sites



SUPERIOR PERFORMANCE

- Maximum efficiency of 98.5%
- Large string current, compatible with large PV modules
- 30KW with natural cooling design



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 30KTL-T3/G2	SE 50KTL-Q3/G2
Efficiency		
Max. Efficiency	98.5%	
European Efficiency	98.0%	97.9%
Input (PV)		
Max. Input Voltage	1100V	
Max. PV Configuration (STC)	150%	
Rated Input Voltage	620V	
Max. Input Current	32A/32A/40A	32A/32A/32A/40A
Max.Short Circuit Current	45A/45A/50A	45A/45A/45A/50A
Start Input Voltage	200V	
MPPT Operating Voltage Range	180V-1000V	
Max. Number of PV Strings	2/2/2	2/2/2/2
No. of MPPTs	3	4
Output (Grid)		
Rated AC Active Power	30,000W	50,000W
Max. AC Apparent Power	33,400VA	55,600VA
Max. AC Output Current	3*51A	3*84.3A
Rated AC Voltage	380V/400V/415V, 3W+N+PE	
AC Voltage Range ^①	320V-520V (Adjustable)	
Rated Grid Frequency	50Hz / 60Hz	
Grid Frequency Range ^②	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	DC Type II / AC Type II	
Insulation Detection	Yes	
Leakage Current Protection	Yes	
PV String Monitoring	Optional	
Consumption Monitoring	Optional	
General		
Topology	Transformerless	
IP Rating	IP66	
Night Self Consumption	<1W (Standard)	
Cooling	Natural 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	
Weight	36Kg	42Kg
HMI & COM		
Display	Wireless & APP+LED, LCD (Optional)	
Communication	RS485, Optional: WiFi / GPRS / LAN	
Certification		
Safety	IEC62109-1, IEC62109-2	
Grid Code	VDE-AR-N 4105, EN 50549-1, CEI 0-21, UNE 206006/206007-1, RD 1699/661&413, IEC 61727/62116	
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.

