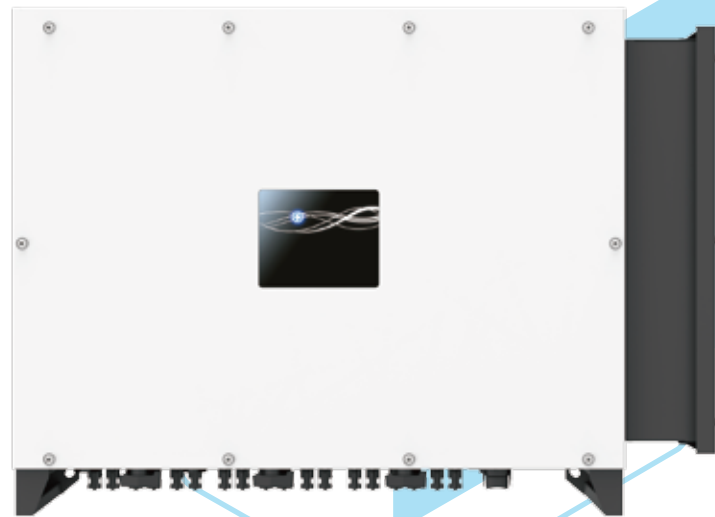


THREE PHASE & MULTIPLE MPPT

SE 100/110KTL-M3

Application: Commercial & Industrial Sites



SUPERIOR PERFORMANCE

- Maximum efficiency of 98.6%
- Large string current, compatible with large PV modules
- 9 MPPT, fuse-free design technology



HIGH RELIABILITY

- IP66 protection level for outdoor installation
- Replaceable 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 100KTL-M3	SE 110KTL-M3
Efficiency		
Max. Efficiency	98.5%	98.6%
European Efficiency	98.0%	98.2%
Input (PV)		
Max. Input Voltage	1100V	
Max. PV Configuration	150%	
Rated Input Voltage	620V	
Max. Input Current	3*40A+5*32A	3*40A+6*32A
Max.Short Circuit Current	3*50A+5*45A	3*50A+6*45A
Start Input Voltage/ Min. Operating Voltage	250V / 200V	
MPPT Operating Voltage Range	200V-1000V	
Max. Number of PV Strings	16 (8*2)	18 (9*2)
No. of MPPTs	8	9
Output (Grid)		
Rated AC Active Power	100,000W	110,000W
Max. AC Apparent Power	111,000VA	123,000VA
Max. AC Output Current	3*168.8A	3*187A
Rated AC Voltage	400V, 3W+N+PE or 3W+PE	
AC Voltage Range*	320V-520V (Adjustable)	
Rated Grid Frequency	50Hz / 60Hz	
Grid Frequency Range**	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	
AFCI	Optional	
PID Recovery	Optional	
PV String Monitoring	Yes	
Consumption Monitoring	Optional	
General		
Topology	Transformerless	
IP Rating	IP66	
Night Self Consumption	<10W (Standard)	
Cooling	Fan cooling	
Operating Temperature Range	-25 C -60 C	
Relative Humidity Range	0-100%	
Max. Operating Altitude	4000m	
Dimensions (W*H*D)	936mm*678mm*365mm	
Weight	91.5Kg	92Kg
HMI & COM		
Display	Wireless & APP+LED, LCD (Optional)	
Communication	RS485, Optional: WiFi / GPRS / LAN	
Certification		
Safety	IEC62109-1, IEC62109-2	
Grid Code	EN 50549-1/-2, IEC 61727/62116, VDE-AR-N 4105, CEI 0-21/16, UNE 206006/206007-1, UNE 217001	
Warranty	5 Years	

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



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