

THREE PHASE & MULTIPLE MPPT

SE 100/110KTL-M3, SE 125KTL-MH3

Application: Large-scale Industrial and Commercial Sites



SUPERIOR EFFICIENCY

- Maximum efficiency 98.8%
- Compatible with high power modules (500W/600W+)
- 150% PV configuration, 110% output overload



HIGH RELIABILITY

- IP66 waterproof and dustproof
- High quality components use
- Integrated type II DC/AC SPD, AFCI detection optional, C5 anti-corrosion optional



INTELLIGENT MAINTENANCE

- String level I/V detect (Optional)
- Remote configuration and upgrade
- Supports export control

	SE 100KTL-M3	SE 110KTL-M3	SE 125KTL-MH3
Efficiency			
Max. Efficiency	98.5%	98.6%	98.8%
European Efficiency	98.0%	98.2%	98.4%
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	125,000W
Max. AC Apparent Power	110,000VA	121,000VA	137,500VA
Max. AC Active Power (PF=1)	110,000W	121,000W	137,500W
Max. AC Output Current	3*168.8A	3*187A	3*167.3A
Rated AC Voltage	400V, 3W+N+PE		480V, 3W+PE
AC Voltage Range*	277V-520V (Adjustable)		300V-550V (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	Support		
Anti-islanding protection	Support		
AC overcurrent protection	Support		
AC short circuit protection	Support		
DC reverse connection	Support		
Surge Arrester	DC Type II / AC Type II		
Insulation detection	Support		
Leakage current protection	Support		
AFCI	Optional		
PID Recovery	Optional		
PV String monitoring	Optional		
Night load consumption monitoring	Optional		
General			
Topology	Transformerless		
IP Rating	IP66		
Night Self Consumption	<10W		
Cooling	Fan cooling		
Operating Temperature Range	-25°C-60°C		
Relative Humidity Range	0-100%		
Max. Operating Altitude	4000m		
Noise	<75dB		
Dimensions (W*H*D)	850mm*670mm*356mm		
Weight	92Kg		
HMI & COM			
Display	Wireless & APP +LED, LCD (Optional)		
Communication	RS 485, Optional: WiFi / GPRS / 4G / 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, AS 4777		
Warranty	5 Years		

Remarks:

- The range of output voltage and frequency may vary depending upon different grid codes.
- Specifications are subject to change without advance notice.