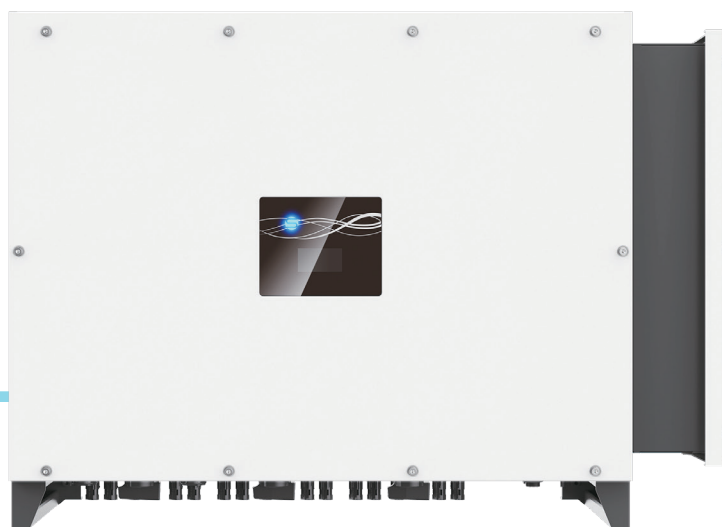


# THREE PHASE & MULTIPLE MPPT

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

Application: Commercial & Industrial Sites



## SUPERIOR PERFORMANCE

- Maximum efficiency of 98.8%
- 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



www.senergytec.com

Shenzhen Senergy Technology Co., Ltd.

Tel: +86-755-8524-5541 ext. 2800

Email: salesglobal@senergytec.com

Address: 11th floor, Building 6, Skyworth Innovation Valley, No. 8 Tangtou No. 1 Road, Bao'an District, Shenzhen, P.R.China

Model	SE 100KTL-M3	SE 110KTL-M3	SE 125KTL-MH3
<b>Efficiency</b>			
Max. Efficiency	98.5%	98.6%	98.8%
European Efficiency	98.0%	98.2%	98.4%
<b>Input (PV)</b>			
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
<b>Output (Grid)</b>			
Rated AC Active Power	100,000W	110,000W	125,000W
Max. AC Apparent Power	111,000VA	123,000VA	139,000VA
Max. AC Output Current	3*168.8A	3*187A	3*167.3A
Rated AC Voltage	400V, 3W+N+PE or 3W+PE		480V, 3W+N+PE or 3W+PE
AC Voltage Range*	320V-520V (Adjustable)		408V-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)		
<b>Protection</b>			
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	Optional		
Consumption Monitoring	Optional		
<b>General</b>			
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
<b>HMI &amp; COM</b>			
Display	Wireless & APP +LED, LCD (Optional)		
Communication	RS 485, Optional: WiFi / GPRS / LAN		
<b>Certification</b>			
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 on different grid codes.
  - Specifications are subject to change without advanced notice.