

## SE 100/110/125KTL-M3

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



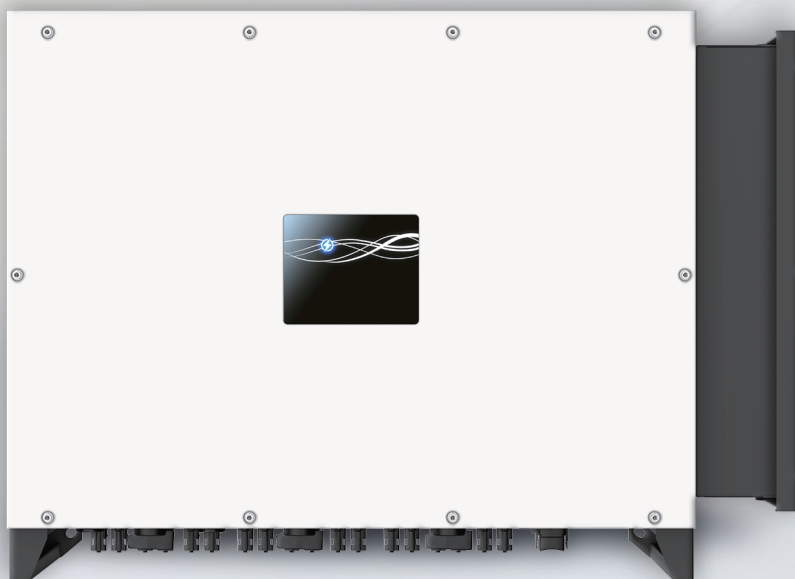
### High Reliability

- IP66 protection level for outdoor installation
- Replaceable DC/AC Type II SPD
- Optional: AFCI 2.0, 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



THREE  
PHASE &  
MULTIPLE  
MPPT



## SE 100KTL-M3

## SE 110KTL-M3

## SE 125KTL-M3

**Efficiency**

|                     |       |       |       |
|---------------------|-------|-------|-------|
| Max. Efficiency     | 98.5% | 98.6% | 98.8% |
| European Efficiency | 98.0% | 98.2% | 98.2% |

**Input (PV)**

|  |             |             |             |
|--|-------------|-------------|-------------|
| Max. Input Voltage                         | 1100V       |             |             |
| Max. PV Configuration (STC)                | 150%        |             |             |
| Rated Input Voltage                        | 620V        |             |             |
| Max. Input Current                         | 5*32A/3*40A | 6*32A/3*40A | 6*32A/3*40A |
| Max. Short Circuit Current                 | 5*45A/3*50A | 6*45A/3*50A | 6*45A/3*50A |
| Start Input Voltage/Min. Operating Voltage | 250V/200V   |             |             |
| MPPT Operating Voltage Range               | 200V-1000V  |             |             |
| Max. Number of PV Strings                  | 8*2         | 9*2         | 9*2         |
| No. of MPPTs                               | 8           | 9           | 9           |

**Output (Grid)**

|                                   |  |           |           |
|-----------------------------------|--|-----------|-----------|
| Rated AC Active Power             | 100,000W                                       | 110,000W  | 125,000W  |
| Max. AC Apparent Power            | 111,000VA                                      | 123,000VA | 125,000VA |
| Max. AC Output Current            | 3*168.8A                                       | 3*178A    | 3*181A    |
| Rated AC Voltage                  | 380V/400V, 3W+N+PE                             |           |           |
| AC Voltage Range <sup>①</sup>     | 320V-520V (Adjustable)                         |           |           |
| Rated Grid Frequency              | 50Hz/60Hz                                      |           |           |
| Grid Frequency Range <sup>②</sup> | 45Hz-55Hz/55Hz-65Hz (Adjustable)               |           |           |
| THDI                              | <3%@Rated Power                                |           |           |
| DC Current Injection              | <0.5%@Rated Current                            |           |           |
| 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 2.0                    | Optional              |
| PID Recovery                | Optional              |
| PV String Monitoring        | Yes                   |
| Consumption Monitoring      | Optional              |

**General**

|                             |                   |      |      |
|-----------------------------|-------------------|------|------|
| Topology                    | Transformerless   |      |      |
| IP Rating                   | IP66              |      |      |
| Night Self Consumption      | <10W (Standard)   |      |      |
| Cooling Method              | Smart 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 | 92kg |

**HMI & COM**

|                         |                                    |
|-------------------------|------------------------------------|
| Display                 | Wireless & APP+LED, LCD (Optional) |
| Communication Interface | RS485, Optional: Wi-Fi/GPRS/LAN    |

**Certification**

|           |   |
|-----------|---|
| Safety    | IEC 62109-1, IEC 62109-2  |
| 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/10 Years (Optional)   |

Remarks: · ①②The range of output voltage and frequency may vary depending on different grid codes.  
· Specifications are subject to change without advanced notice.

