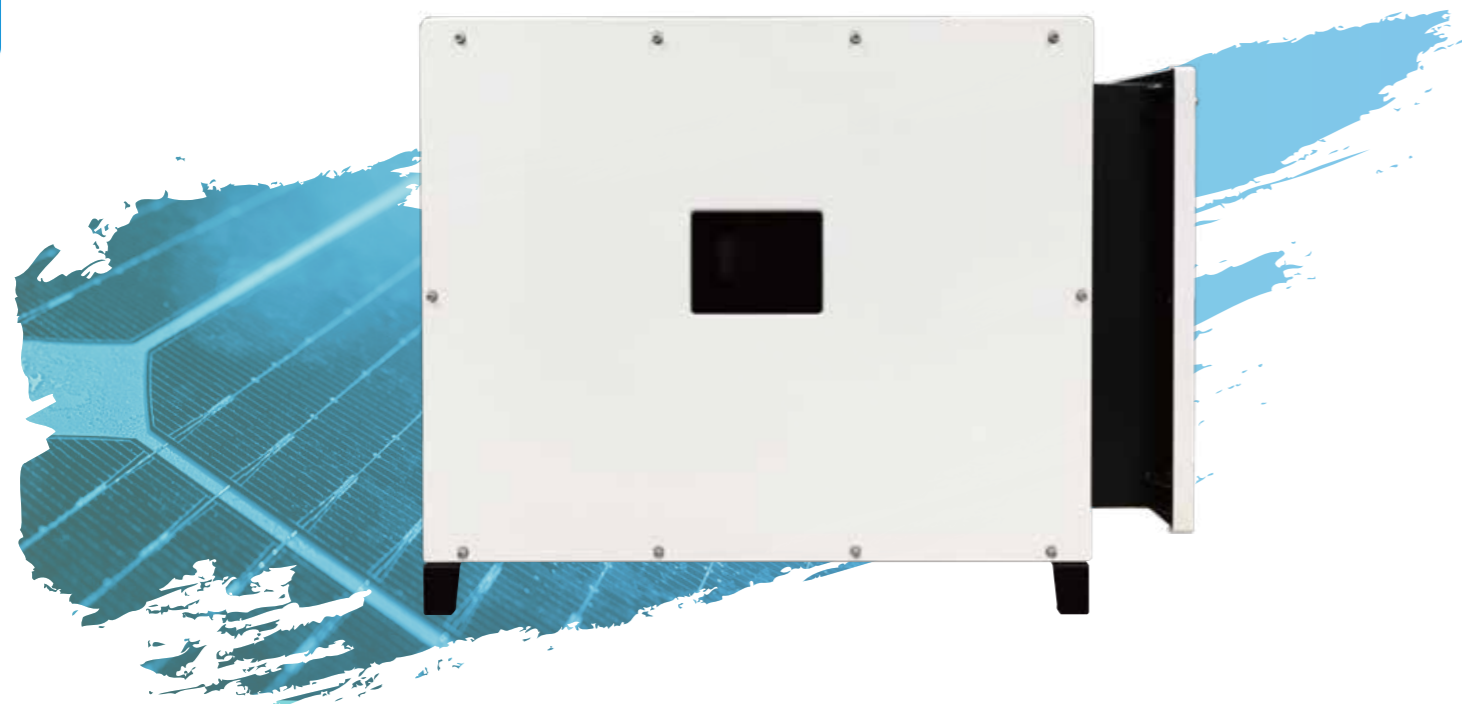


## THREE PHASE & MULTIPLE MPPT

### SE 110KTL-M3/125KTL-MH3



#### SUPERIOR EFFICIENCY

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



#### HIGH RELIABILITY

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



#### INTELLIGENT MAINTENANCE

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

| Model                                       | SE 110KTL-M3   | SE 125KTL-MH3          |
|---|--|------------------------|
| <b>Efficiency</b>                           |  |                        |
| Max. Efficiency                             | 98.6%  | 98.8%                  |
| European Efficiency                         | 98.2%  | 98.4%                  |
| <b>Input(PV)</b>                            |  |                        |
| Max. Input Voltage                          | 1100V  |                        |
| Max. PV configuration                       | 150%   |                        |
| Rated Input Voltage                         | 620V   |                        |
| Max. Input Current                          | 6*32A+3*40A  |                        |
| Start Input Voltage/ Min. Operating Voltage | 250V/200V  |                        |
| MPPT Operating Voltage Range                | 200V-1000V   |                        |
| Max. Number of PV Strings                   | 18 (9*2)   |                        |
| No. of MPPTs                                | 9  |                        |
| <b>Output(Grid)</b>                         |  |                        |
| Rated AC Active Power                       | 110,000W   | 125,000W               |
| Max. AC Apparent Power                      | 121,000VA  | 137,500VA              |
| Max. AC Active Power (PF=1)                 | 121,000W   | 137,500W               |
| Max. AC Output Current                      | 3*185.9A   | 3*165.5A               |
| 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 Leading - 0.8Lagging)                               |                        |
| <b>Protection</b>                           |  |                        |
| 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   |                        |
| <b>General</b>                              |  |                        |
| 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)                          | 670mm*850mm*356mm  |                        |
| Weight                                      | 85Kg   |                        |
| <b>HMI &amp; COM</b>                        |  |                        |
| Display                                     | Wireless & APP +LED, LCD (Optional)  |                        |
| Communication                               | RS 485, Optional: WiFi / GPRS / 4G / LAN   |                        |
| <b>Certification</b>                        |  |                        |
| Safety                                      | IEC62109-1, IEC62109-2   |                        |
| Grid Code                                   | VDE-AR-N 4105, VDE-AR-N 4110, EN 50549-1/-2, CEI 0-21, UNE 206006/206007-1, UNE 217001 |                        |
| 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.