

# THREE PHASE & SINGLE MPPT

## SE 5/6/8/10KTL-S3/G2R

Application: Residential & Small C&I Use



### SUPERIOR PERFORMANCE

- Maximum efficiency of 98.2%
- Max. string current up to 20A
- Lower cost, higher power generation, optimal consumption
- Compact for easy installation



### HIGH RELIABILITY

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



### INTELLIGENT MAINTENANCE

- Power consumption monitoring
- Remote configuration and upgrade
- Quick commissioning via mobile app
- Multiple I/O and communication configurations

| Model                             | SE 5KTL-S3/G2R  | SE 6KTL-S3/G2R | SE 8KTL-S3/G2R | SE 10KTL-S3/G2R |
|-----------------------------------|---|----------------|----------------|-----------------|
| <b>Efficiency</b>                 |   |                |                |                 |
| Max. Efficiency                   | 98.2%   |                |                |                 |
| European Efficiency               | 97.8%   |                |                |                 |
| <b>Input (PV)</b>                 |   |                |                |                 |
| Max. Input Voltage                | 1100V   |                |                |                 |
| Max. PV Configuration             | 150%  |                |                |                 |
| Rated Input Voltage               | 620V  |                |                |                 |
| Max. Input Current                | 20A   |                |                |                 |
| Max. Short Circuit Current        | 30A   |                |                |                 |
| Start Input Voltage               | 180V  |                |                |                 |
| MPPT Operating Voltage Range      | 160V-1000V  |                |                |                 |
| Max. Number of PV Strings         | 1   |                |                |                 |
| No. of MPPTs                      | 1   |                |                |                 |
| <b>Output (Grid)</b>              |   |                |                |                 |
| Rated AC Active Power             | 5,000W  | 6,000W         | 8,000W         | 10,000W         |
| Max. AC Apparent Power            | 5,500VA   | 6,600VA        | 8,800VA        | 11,200VA        |
| Max. AC Output Current            | 3*8.4A  | 3*10.1A        | 3*13.4A        | 3*17A           |
| Rated AC Voltage                  | 380V/400V/415V, 3W+N+PE   |                |                |                 |
| AC Voltage Range <sup>①</sup>     | 260V-510V (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)                 |                |                |                 |
| <b>Protection</b>                 |   |                |                |                 |
| DC Switch                         | Yes   |                |                |                 |
| Anti-islanding Protection         | Yes   |                |                |                 |
| AC Overcurrent Protection         | Yes   |                |                |                 |
| AC Short Circuit Protection       | Yes   |                |                |                 |
| DC Reverse Connection             | Yes   |                |                |                 |
| Surge Arrester                    | DC Type III (Type II optional) / AC Type III (Type II optional) |                |                |                 |
| Insulation Detection              | Yes   |                |                |                 |
| Leakage Current Protection        | Yes   |                |                |                 |
| <b>General</b>                    |   |                |                |                 |
| Topology                          | Transformerless   |                |                |                 |
| IP Rating                         | IP66  |                |                |                 |
| Night Self Consumption            | < 1W (Standard)   |                |                |                 |
| Cooling                           | Natural cooling   |                |                |                 |
| Operating Temperature Range       | -25 C -60 C   |                |                |                 |
| Relative Humidity Range           | 0-100%  |                |                |                 |
| Max. Operating Altitude           | 4000m   |                |                |                 |
| Dimensions (W*H*D)                | 398mm*460mm*190mm   |                |                |                 |
| Weight                            | 16.8kg  |                |                |                 |
| <b>HMI &amp; COM</b>              |   |                |                |                 |
| Display                           | Wireless & APP+LED, LCD (Optional)                              |                |                |                 |
| Communication                     | RS485, Optional: WiFi / GPRS / LAN                              |                |                |                 |
| <b>Certification</b>              |   |                |                |                 |
| Safety                            | IEC 62109-1, IEC 62109-2  |                |                |                 |
| Grid Code                         | IEC 61727/62116, IEC 61683, IEC60068                            |                |                |                 |
| Warranty                          | 5 Years   |                |                |                 |

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