

# THREE PHASE & DUAL MPPT

SE 10/15KTL-D3/G2P, SE 17/20/22/25/30KTL-D3/G2

Application: Residential & Small-Medium C&I Use



## SUPERIOR PERFORMANCE

- Maximum efficiency of 98.4%
- Large string current, compatible with large PV modules
- Wide voltage range, compatible with various power grids
- 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 10KTL-D3/G2P  | SE 15KTL-D3/G2P | SE 17KTL-D3/G2 | SE 20KTL-D3/G2 | SE 22KTL-D3/G2 | SE 25KTL-D3/G2 | SE 30KTL-D3/G2 |
|-----------------------------------|--|-----------------|----------------|----------------|----------------|----------------|----------------|
| <b>Efficiency</b>                 |  |                 |                |                |                |                |                |
| Max. Efficiency                   | 98.4%  |                 |                |                |                |                |                |
| European Efficiency               | 97.8%  |                 |                |                |                | 98.0%          |                |
| <b>Input (PV)</b>                 |  |                 |                |                |                |                |                |
| Max. Input Voltage                | 1100V  |                 |                |                |                |                |                |
| Max. PV Configuration (STC)       | 150%   |                 |                |                |                |                |                |
| Rated Input Voltage               | 620V   |                 |                |                |                |                |                |
| Max. Input Current                | 15A/30A  |                 |                | 30A/30A        |                |                | 30A/40A        |
| Max.Short Circuit Current         | 20A/40A  |                 |                | 40A/40A        |                |                | 37.5A/50A      |
| Start Input Voltage               | 180V   |                 |                |                |                |                |                |
| MPPT Operating Voltage Range      | 160V-1000V   |                 |                |                |                |                |                |
| Max. Number of PV Strings         | 1/2  |                 |                |                |                | 2/2            |                |
| No. of MPPTs                      | 2  |                 |                |                |                |                |                |
| <b>Output (Grid)</b>              |  |                 |                |                |                |                |                |
| Rated AC Active Power             | 10,000W  | 15,000W         | 17,000W        | 20,000W        | 22,000W        | 25,000W        | 30,000W        |
| Max. AC Apparent Power            | 11,000VA   | 16,500VA        | 18,700VA       | 22,000VA       | 24,200VA       | 27,500VA       | 33,000VA       |
| Max. AC Output Current            | 3*16.8A  | 3*25.3A         | 3*28.6A        | 3*33.7A        | 3*37A          | 3*39.8A        | 3*50.2A        |
| 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 Protection             | 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  |                 |                |                |                | Fan 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                            | 18.7Kg   |                 | 20.1Kg         |                |                |                | 20.3Kg         |
| <b>HMI &amp; COM</b>              |  |                 |                |                |                |                |                |
| Display                           | Wireless & APP +LED, LCD (Optional)  |                 |                |                |                |                |                |
| Communication                     | RS485, Optional: WiFi / GPRS / LAN   |                 |                |                |                |                |                |
| <b>Certification</b>              |  |                 |                |                |                |                |                |
| Safety                            | IEC62109-1, IEC62109-2   |                 |                |                |                |                |                |
| Grid Code                         | VDE-AR-N 4105, EN 50549-1, CEI 0-21, UNE 206006/206007-1, RD 1699/661&413, IEC 61727/62116, AS4777.2 |                 |                |                |                |                |                |
| Warranty                          | 5 Years  |                 |                |                |                |                |                |

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