

# SINGLE PHASE & SINGLE MPPT

## SE 2/3/3.6KTL-S1/G2P

Application: Family Use



### SUPERIOR EFFICIENCY

- Maximum efficiency 97.8%
- String current 15A, compatible with high power modules
- 150% PV configuration, 110% output overload



### HIGH RELIABILITY

- IP65 waterproof and dustproof
- Compatible with wide power grid voltage and high harmonic power grid environment
- DC /AC SPD optional, AFCI detection optional, C5 anti-corrosion optional



### INTELLIGENT MAINTENANCE

- Remote configuration and upgrade
- Supports export power control

| Model                        | SE 2KTL-S1/G2P  | SE 3KTL-S1/G2P | SE 3K6TL-S1/G2P |
|------------------------------|---|----------------|-----------------|
| <b>Efficiency</b>            |   |                |                 |
| Max. Efficiency              | 97.5%   | 97.8%          | 97.8%           |
| European Efficiency          | 96.5%   | 96.8%          | 96.8%           |
| <b>Input(PV)</b>             |   |                |                 |
| Max. Input Voltage           | 500V  |                |                 |
| Max. PV configuration (STC)  | 150%  |                |                 |
| Rated Input Voltage          | 360V  |                |                 |
| Max. Input Current           | 15A   |                |                 |
| Max.Short Circuit Current    | 20A   |                |                 |
| Start Input Voltage          | 70V   |                |                 |
| MPPT Operating Voltage Range | 50V-490V  |                |                 |
| Max. Number of PV Strings    | 1   |                |                 |
| No. of MPPTs                 | 1   |                |                 |
| <b>Output(Grid)</b>          |   |                |                 |
| Rated AC Active Power        | 2,000W  | 3,000W         | 3,600W          |
| Max. AC Apparent Power       | 2,200VA   | 3,300VA        | 3,600VA         |
| Max. AC Active Power (PF=1)  | 2,200W  | 3,300W         | 3,600W          |
| Max. AC Output Current       | 10A   | 15A            | 16A             |
| Rated AC Voltage             | 220V/230V, L+N+PE   |                |                 |
| AC Voltage Range①            | 160V-300V (Adjustable)  |                |                 |
| Rated Grid Frequency         | 50Hz / 60Hz   |                |                 |
| Grid Frequency Range②        | 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                    | Support   |                |                 |
| Anti-islanding protection    | Support   |                |                 |
| AC overcurrent protection    | Support   |                |                 |
| AC short circuit protection  | Support   |                |                 |
| DC reverse connection        | Support   |                |                 |
| Surge Arrester               | DC Type III (Optional) / AC Type III  |                |                 |
| Insulation detection         | Support   |                |                 |
| Leakage current protection   | Support   |                |                 |
| <b>General</b>               |   |                |                 |
| Topology                     | Transformerless   |                |                 |
| IP Rating                    | IP65  |                |                 |
| Night Self Consumption       | <1W   |                |                 |
| Cooling                      | Natural cooling   |                |                 |
| Operating Temperature Range  | -25°C-60°C  |                |                 |
| Relative Humidity Range      | 0-100%  |                |                 |
| Max. Operating Altitude      | 4000m   |                |                 |
| Noise (typical)              | 30dB  |                |                 |
| Dimensions (W*H*D)           | 320mm*344mm*137mm   |                |                 |
| Weight                       | 6.5Kg   |                |                 |
| <b>HMI &amp; COM</b>         |   |                |                 |
| Display                      | Wireless & APP+LED, LCD (Optional)  |                |                 |
| Communication                | Optional: WiFi / GPRS / RS485 / LAN   |                |                 |
| <b>Certification</b>         |   |                |                 |
| Safety                       | IEC62109-1, IEC62109-2  |                |                 |
| Grid Code                    | DE-AR-N 4105, EN 50549-1, CEI 0-21, UNE 206001/206002-1, IEC 61727/62116, ORDINANCE n°140 2022, IEEE 1547, UL 1741, AS 4777, VDE 0126-1 |                |                 |
| <b>Warranty</b>              | 5 Years   |                |                 |

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