

SINGLE PHASE & DUAL MPPT

SE 7/8/10KTL-D1

Application: Family Use



SUPERIOR EFFICIENCY

- Maximum efficiency 98.2%
- String current 13A, compatible with high power modules
- 150% PV configuration, 110% output overload



HIGH RELIABILITY

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



INTELLIGENT MAINTENANCE

- Remote configuration and upgrade
- Supports export power control

| Model | SE 7KTL-D1 | SE 8KTL-D1 | SE 10KTL-D1 |
|------------------------------|--|-----------------|-------------|
| Efficiency | | | |
| Max. Efficiency | 98.2% | 98.2% | 98.2% |
| European Efficiency | 97.4% | 97.5% | 97.6% |
| Input(PV) | | | |
| Max. Input Voltage | 550V | | |
| Max. PV configuration (STC) | 150% | | |
| Rated Input Voltage | 360V | | |
| Max. Input Current | 26A (2*13A) | 39A (2*13A+13A) | |
| Max.Short Circuit Current | 30A (2*15A) | 45A(2*15A+15A) | |
| Start Input Voltage | 90V | | |
| MPPT Operating Voltage Range | 70V-540V | | |
| Max. Number of PV Strings | 2(1/1) | 3(2/1) | |
| No. of MPPTs | 2 | | |
| Output(Grid) | | | |
| Rated AC Active Power | 7,000W | 8,000W | 10,000W |
| Max. AC Apparent Power | 7,700VA | 8,800VA | 10,000VA |
| Max. AC Active Power (PF=1) | 7,700W | 8,800W | 10,000W |
| Max. AC Output Current | 35A | 40A | 45.5A |
| 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 Leading-0.8 Lagging) | | |
| Protection | | | |
| 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 | | |
| General | | | |
| 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) | 400mm*450mm*170mm | | |
| Weight | 16Kg | | |
| HMI & COM | | | |
| Display | Wireless & APP+LED, LCD (Optional) | | |
| Communication | WiFi (Optional) / GPRS (Optional) / RS485 (Optional) | | |
| Certification | | | |
| Safety | IEC62109-1, IEC62109-2 | | |
| Grid Code | IEC61727 / 62116, ABNT 16149 / 16150, IEEE 1547, AS 4777 | | |
| Warranty | 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.