

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



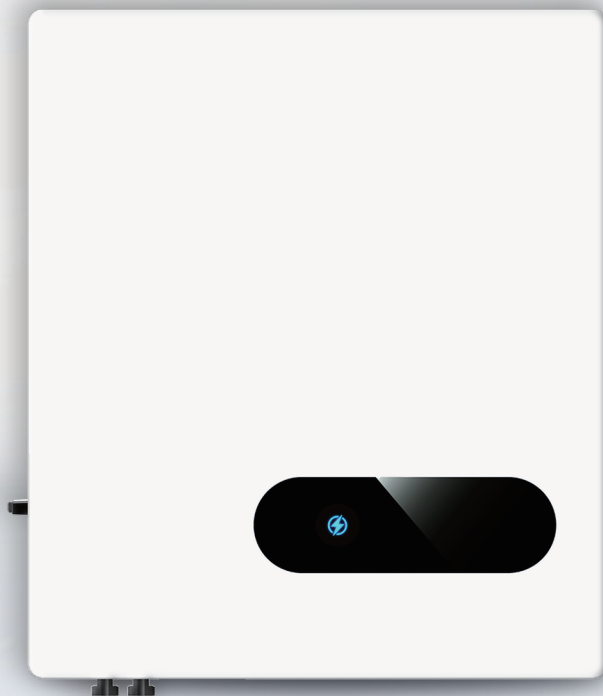
High Reliability

- IP65 protection level for outdoor installation
- Optional: DC/AC Type II SPD
- Optional: AFCI 2.0 function

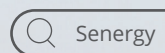


Intelligent Maintenance

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



THREE
PHASE &
SINGLE
MPPT



SE 5KTL-S3/G2R

SE 6KTL-S3/G2R

SE 8KTL-S3/G2R

SE 10KTL-S3/G2R

Efficiency

Max. Efficiency	98.2%
European Efficiency	97.8%

Input (PV)

Max. Input Voltage	1100V
Max. PV Configuration (STC)	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

Output (Grid)

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 ^①	260V-510V (Adjustable)			
Rated Grid Frequency	50Hz/60Hz			
Grid Frequency Range ^②	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)			

Protection

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

General

Topology	Transformerless
IP Rating	IP66
Night Self Consumption	< 1W (Standard)
Cooling Method	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

HMI & COM

Display	Wireless & APP+LED, LCD (Optional)
Communication Interface	RS485, Optional: Wi-Fi/GPRS/LAN

Certification

Safety	IEC 62109-1, IEC 62109-2
Grid Code	IEC 61727/62116, IEC 61683, IEC 60068
Warranty	5 Years/10 Years (Optional)

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

