

SE 4/5/6KTL-S1/G2R, SE 4/5/6KTL-D1/G2R

Application: Residential Use



Superior Performance

- Maximum efficiency of 98.2%
- Max. string current up to 20A
- 1MPPT or 2MPPT, compatible with various application scenarios



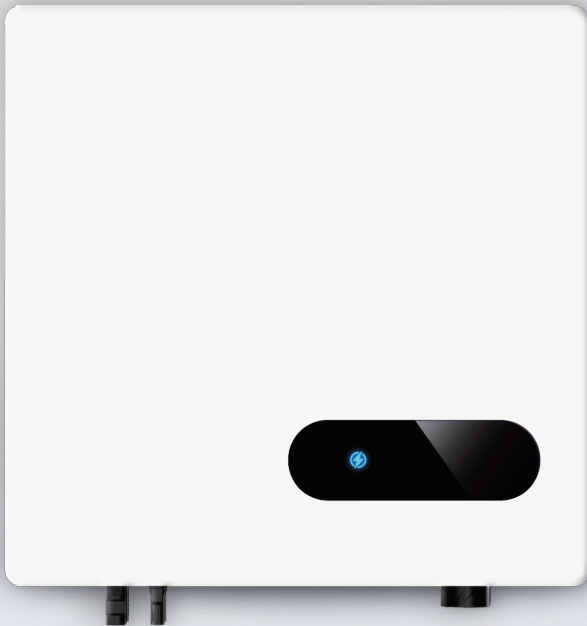
High Reliability

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

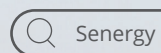


Intelligent Maintenance

- Power consumption monitoring
- Remote configuration and upgrade
- Quick commissioning via mobile app



SINGLE
PHASE &
SINGLE/DUAL
MPPT



	SE 4KTL-S1/G2R	SE 5KTL-S1/G2R	SE 6KTL-S1/G2R	SE 4KTL-D1/G2R	SE 5KTL-D1/G2R	SE 6KTL-D1/G2R
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Efficiency

Max. Efficiency	98.2%					
European Efficiency	97.0%	97.3%	97.4%	97.0%	97.3%	97.4%

Input (PV)

Max. Input Voltage	600V					
Max. PV Configuration (STC)	150%					
Rated Input Voltage	360V					
Max. Input Current	20A	20A	20A	20A/20A	20A/20A	20A/20A
Max. Short Circuit Current	30A	30A	30A	30A/30A	30A/30A	30A/30A
Start Input Voltage	90V					
MPPT Operating Voltage Range	70V-550V					
Max. Number of PV Strings	1	1	1	2	2	2
No. of MPPTs	1	1	1	2	2	2

Output (Grid)

Rated AC Active Power	4,000W	5,000W	6,000W	4,000W	5,000W	6,000W
Max. AC Apparent Power	4,400VA	5,500VA	6,000VA	4,400VA	5,500VA	6,000VA
Max. AC Output Current	20A	25A	27.3A	20A	25A	27.3A
Rated AC Voltage	220V/230V/240V, L+N+PE					
AC Voltage Range ^①	160V-300V (Adjustable)					
Rated Grid Frequency	50Hz/60Hz					
Grid Frequency Range ^②	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)					

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	IP65
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)	350mm*347mm*137mm
Weight	9kg

HMI & COM

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

Certification

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

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