

# SINGLE PHASE & SINGLE/DUAL MPPT

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 function



## INTELLIGENT MAINTENANCE

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

Model	SE 4KTL-S1/G2R	SE 5KTL-S1/G2R	SE 6KTL-S1/G2R	SE 4KTL-D1/G2R	SE 5KTL-D1/G2R	SE 6KTL-D1/G2R
<b>Efficiency</b>						
Max. Efficiency	98.2%					
European Efficiency	97.0%	97.3%	97.4%	97.0%	97.3%	97.4%
<b>Input (PV)</b>						
Max. Input Voltage	600V					
Max. PV configuration (STC)	150%					
Rated Input Voltage	360V					
Max. Input Current	20A			20A/20A		
Max. Short Circuit Current	30A			30A/30A		
Start Input Voltage	90V					
MPPT Operating Voltage Range	70V-550V					
Max. Number of PV Strings	1			2		
No. of MPPTs	1			2		
<b>Output (Grid)</b>						
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 <sup>①</sup>	160V-300V (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%In					
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 Connection	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	IP65					
Night Self Consumption	<1W (Standard)					
Cooling	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					
<b>HMI &amp; COM</b>						
Display	Wireless & APP+LED, LCD (Optional)					
Communication	Optional: WiFi/GPRS/RS485/LAN					
<b>Certification</b>						
Safety	IEC 62109-1, IEC 62109-2					
Grid Code	IEC 61727/62116, IEC 61683, IEC60068					
Warranty	5 Years					

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