

SE 2/3/3.6KTL-S1/G2P

Application: Residential Use



Superior Performance

- Maximum efficiency of 97.8%
- Large string current, compatible with large PV modules
- Wide voltage range, compatible with various power grids



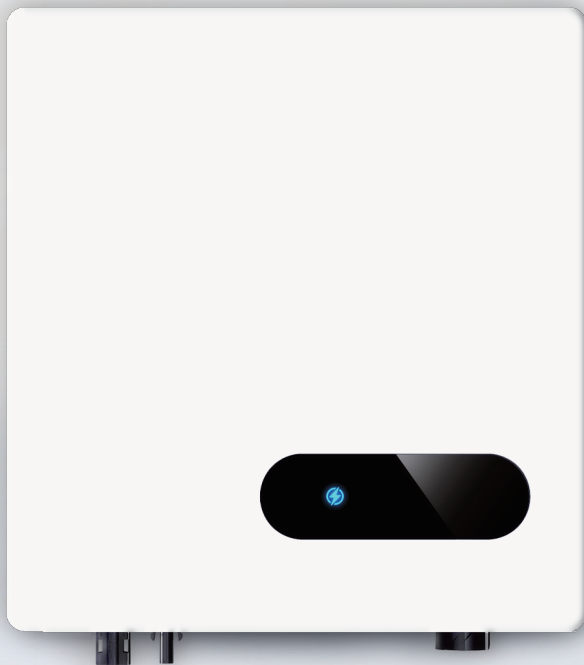
High Reliability

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

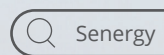


Intelligent Maintenance

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



SINGLE
PHASE &
SINGLE
MPPT



	SE 2KTL-S1/G2P	SE 3KTL-S1/G2P	SE 3.6KTL-S1/G2P
Efficiency			
Max. Efficiency		97.8%	
European Efficiency	96.5%	96.8%	96.8%
Input (PV)			
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	
Output (Grid)			
Rated AC Active Power	2,000W	3,000W	3,600W
Max. AC Apparent Power	2,200VA	3,300VA	3,600VA
Max. AC Output Current	10A	15A	16A
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)		320mm*344mm*137mm	
Weight		6.5kg	
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		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	
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.