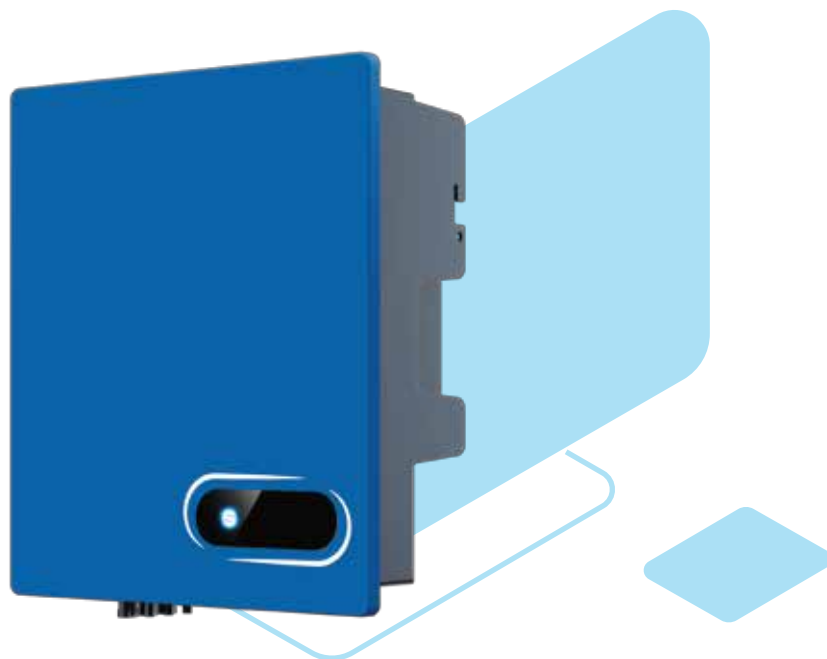


SINGLE PHASE & DUAL MPPT

SE 7/8/10KTL-D1P

Application: Residential Use



SUPERIOR PERFORMANCE

- Maximum efficiency of 98.2%
- 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 function



INTELLIGENT MAINTENANCE

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

Model	SE 7KTL-D1P		SE 8KTL-D1P		SE 10KTL-D1P	
Efficiency						
Max. Efficiency					98.2%	
European Efficiency					97.5%	
Input (PV)						
Max. Input Voltage					550V	
Max. PV Configuration (STC)					150%	
Rated Input Voltage					360V	
Max. Input Current	20A/20A				20A/30A	
Max. Short Circuit Current	20A/20A				20A/40A	
Start Input Voltage					90V	
MPPT Operating Voltage Range					60V-540V	
Max. Number of PV Strings	1/1				1/2	
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 Output Current	35A		40A		45.5A	
Rated AC Voltage					220V/230V/240V, 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 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					Natural cooling	
Operating Temperature Range					-25 C -60 C	
Relative Humidity Range					0-100%	
Max. Operating Altitude					4000m	
Dimensions (W*H*D)					400mm*450mm*170mm	
Weight					16Kg	
HMI & COM						
Display					Wireless & APP+LED, LCD (Optional)	
Communication					Optional: WiFi / GPRS / RS485 / LAN	
Certification						
Safety					IEC62109-1, IEC62109-2	
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: · ①②The range of output voltage and frequency may vary depending on different grid codes.
· Specifications are subject to change without advanced notice.