Grid-Tied Inverter

SE 75KTL-Q3/G2E

Application: Commercial & Industrial Sites

Superior Performance

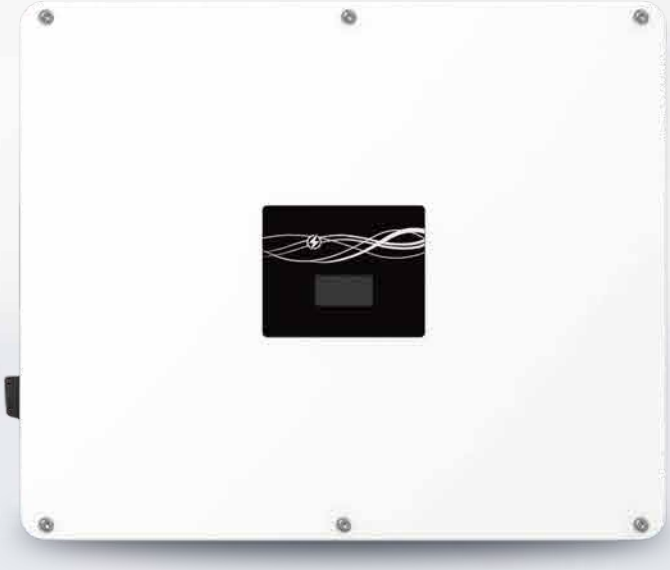
- Maximum efficiency of 98.8%
- Large string current, compatible with large PV modules
- Maximum 150% PV input power

High Reliability

- IP66 protection level for outdoor installation
- DC/AC Type II SPD
- Optional: AFCI 2.0, Night SVG, I/V detection, and integrated PID

Intelligent Maintenance

- Power consumption monitoring
- Remote configuration and upgrade
- Quick commissioning via mobile app
- String level current detection



THREE PHASE & MULTIPLE MPPT

	SE 75KTL-Q3/G2E
Efficiency	
Max. Efficiency	98.8%
Eur. Efficiency	98.2%
Input (PV)	
Max. Input Voltage	1100V
Max. PV Configuration (STC)	150%
Rated Input Voltage	620V
Max. Input Current	4*48A
Max. Short Circuit Current	4*54A
Start Input Voltage	250V
MPPT Operating Voltage Range	180V-1000V
Max. Number of PV Strings	4*3
No. of MPPTs	4
Output (Grid)	
Rated AC Active Power	75,000W
Max. AC Apparent Power	82,500VA
Max. AC Output Current	3*125A
Rated AC Voltage	380V/400V/415V, 3W+N+PE
AC Voltage Range①	320V-480V (Adjustable)
Rated Grid Frequency	50Hz/60Hz
Grid Frequency Range②	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 Level II/AC Type II
Insulation Detection	Yes
Leakage Current Protection	Yes
AFCI 2.0	Optional
PID Recovery	Optional
PV String Monitoring	Yes
Consumption Monitoring	Optional
General	
Topology	Transformerless
IP Rating	IP66
Night Self Consumption	<10W (Standard)
Cooling Method	Fan Cooling
Operating Temperature Range	-25℃-60℃
Relative Humidity Range	0-100%
Max. Operating Altitude	4000m
Dimensions (W*H*D)	635mm*530mm*236mm
Weight	43.3Kg
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 60068, IEC 61683, PORTARIA Nº 140, PORTARIA Nº 515
Warranty	5 Years/10 Years (Optional)

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