

THREE PHASE & MULTIPLE MPPT

SE 60KTL-Q3/G2

Application: Commercial & Industrial Sites



SUPERIOR PERFORMANCE

- Maximum efficiency of 98.6%
- Large string current, compatible with large PV modules



HIGH RELIABILITY

- IP66 protection level for outdoor installation
- DC/AC Type II SPD
- Optional: AFCI, 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

Model	SE 60KTL-Q3/G2
Efficiency	
Max. Efficiency	98.6%
European Efficiency	98.0%
Input (PV)	
Max. Input Voltage	1100V
Max. PV Configuration (STC)	150%
Rated Input Voltage	620V
Max. Input Current	40A+3*32A
Max.Short Circuit Current	50A+3*45A
Start Input Voltage	200V
MPPT Operating Voltage Range	180V-1000V
Max. Number of PV Strings	8 (2/2/2/2)
No. of MPPTs	4
Output (Grid)	
Rated AC Active Power	60,000W
Max. AC Apparent Power	66,700VA
Max. AC Output Current	3*92A
Rated AC Voltage	380V/400V/415V, 3W+N+PE or 3W+PE
AC Voltage Range ^①	320V-520V (Adjustable)
Rated Grid Frequency	50Hz / 60Hz
Grid Frequency Range ^②	45-55Hz/55-65Hz (Adjustable)
THDI	<3% (Rated Power)
DC Current Injection	<0.5%In
Power Factor	>0.99 Rated power (Adjustable 0.8LD-0.8LG)
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 II / AC Type II
Insulation Detection	Yes
Leakage Current Protection	Yes
PV String Monitoring	Optional
Consumption Monitoring	Optional
General	
Topology	Transformerless
IP Rating	IP66
Night Self Consumption	<1W (standard)
Cooling	Fan cooling
Operating Temperature Range	-25 °C -60 °C
Relative Humidity Range	0-100%
Max. Operating Altitude	4000m
Dimensions (W*H*D)	635mm*530mm*233mm
Weight	42Kg
HMI & COM	
Display	Wireless & APP+LED, LCD (Optional)
Communication	RS485, Optional: WiFi/GPRS/LAN
Certification	
Safety	IEC62109-1, IEC62109-2
Grid Code	IEC 61727/62116, IEC 61683
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.