THREE PHASE & QUAD MPPT
SE 30/40/50KTL

Application: Large-Scale Industrial and Commercial Sites

SUPERIOR EFFICIENCY

- Maximum efficiency of 98.5%
- String current of 16A/20A, compatible with 210mm PV modules
- 150% PV configuration and 110% output overload

HIGH RELIABILITY

- Integrated type II DC/AC SPD
- Local settings & display via app
- High-quality components used

INTELLIGENT MAINTENANCE

- String level I/V detection (Optional)
- Remote configuration and upgrade
- Power export control supported

Model	SE 30KTL-T3/G2	SE 40KTL-T3/G2	SE 50KTL-T3/G2
Efficiency			
Max. Efficiency		98.5%	
European Efficiency	98.0%	98.0%	97.9%
Input (PV)			
Max. Input Voltage		1100V	
Max. PV Configuration (STC)		150%	
Rated Input Voltage		620V	
Max. Input Current	40A+2*32A	40A+2*32A	40A+3*32A
Max.Short Circuit Current	50A+2*45A	50A+2*45A	50A+3*45A
Start Input Voltage		200V	
MPPT Operating Voltage Range		180V-1000V	
Max. Number of PV Strings	2/2/2	2/2/2	2/2/2/2
No. of MPPTs	3	3	4
Output (Grid)			
Rated AC Active Power	30000W	40000W	50000W
Max. AC Apparent Power	33400VA	44500VA	55600VA
Max. AC Active Power (PF=1)	33400W	44500W	55600W
Max. AC Output Current	51A	67.4A	84.2A
Rated AC Voltage		380/400/415 3L/N/PE, 3L/PE	
AC Voltage Range①		320V-520V	
Rated Grid Frequency		50Hz / 60Hz	
Grid Frequency Range②		45-55Hz / 55-65Hz	
THDI		<3% (Rated Power)	
DC Current Injection		<0.5%In	
Power Factor		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 Connection		YES	
Surge Arrester		DC Level II / AC Type II	
Insulation Detection		YES	
Leakage Current Protection		YES	
General			
Topology		Transformerless	
IP Rating		IP66	
Night Self Consumption		<5W (standard)	
Cooling	Natural cooling	Fan cooling	
Operating Temperature Range		-25℃-60℃	
Relative Humidity Range		0-100%	
Max. Operating Altitude		4000m	
Noise (typical)	<30dB	<50dB	
Dimensions (W*H*D)		635mm*530mm*224mm	
Weight	36Kg	40Kg	42Kg
HMI & COM			
Display		Wireless & APP+LED, LCD (Optional)	
Communication		Optional: WiFi / GPRS / RS485 / LAN	
Certification			
Safety		IEC62109-1, IEC62109-2	
Grid Code		VDE-AR-N 4105, EN 50549-1, CEI 0-21, UNE 206006/206007-1, RD 1699/661&413, IEC 61727/62116, AS4777.2	
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.