

# THREE PHASE & MULTIPLE MPPT

SE 30/40KTL-T3/G2, SE 50KTL-Q3/G2

Application: Commercial & Industrial Sites



## SUPERIOR PERFORMANCE

- Maximum efficiency of 98.5%
- Large string current, compatible with large PV modules
- 30KW with natural cooling design



## 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 30KTL-T3/G2	SE 40KTL-T3/G2	SE 50KTL-Q3/G2
<b>Efficiency</b>			
Max. Efficiency		98.5%	
European Efficiency	98.0%	98.0%	97.9%
<b>Input (PV)</b>			
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
<b>Output (Grid)</b>			
Rated AC Active Power	30,000W	40,000W	50,000W
Max. AC Apparent Power	33,400VA	44,500VA	55,600VA
Max. AC Output Current	3*51A	3*67.5A	3*84.3A
Rated AC Voltage	380V/400V/415V, 3W+N+PE or 3W+PE		
AC Voltage Range <sup>①</sup>	320V-520V (Adjustable)		
Rated Grid Frequency	50Hz / 60Hz		
Grid Frequency Range <sup>②</sup>	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)		
<b>Protection</b>			
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		
<b>General</b>			
Topology	Transformerless		
IP Rating	IP66		
Night Self Consumption	<1W (Standard)		
Cooling	Natural 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*224mm		
Weight	36Kg	40Kg	42Kg
<b>HMI &amp; COM</b>			
Display	Wireless & APP+LED, LCD (Optional)		
Communication	RS485, Optional: WiFi / GPRS / LAN		
<b>Certification</b>			
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		
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.

