

THREE PHASE & DUAL MPPT

SE 10/12KTL-DL3

Application: Small-Scale Industrial and Residential Use



SUPERIOR PERFORMANCE

- Max efficiency of 97.3%
- Ultra-wide voltage range (180V-750V)



HIGH RELIABILITY

- Integrated type II DC/AC SPD
- Natural cooling design



INTELLIGENT MAINTENANCE

- Intelligent monitoring via APP & Web
- Multiple remote monitoring for convenient operation and maintenance
- Supports 3Phase 208/220/240V grid system

Model	SE 10KTL-DL3	SE 12KTL-DL3
Efficiency		
Max. Efficiency	97.3%	97.3%
Input (PV)		
Max. Input Voltage	800V	
Max. PV Configuration	150%	
Rated Input Voltage	360V	
Max. Input Current	54A (2*27A)	
Max.Short Circuit Current	60A (2*30A)	
Start Input Voltage/ Min. Operating Voltage	250V/180V	
MPPT Operating Voltage Range	180V-750V	
MPPT Operating Voltage Range (Full-Load)	300V-680V	
Max. Number of PV Strings	4 (2/2)	
No. of MPPTs	2	
Output (Grid)		
Rated AC Active Power	10,500W	12,000W
Max. AC Apparent Power	11,500VA	13,500VA
Max. AC Output Current	3*28.3A	3*33.5A
Rated AC Voltage	220V, 3W+N+PE	
AC Voltage Range ^①	180V-300V (Adjustable)	
Rated Grid Frequency	60Hz	
Grid Frequency Range ^②	55Hz-65Hz (Adjustable)	
THDI	<3% (Rated Power)	
DC Current Injection	<0.5%In	
Power Factor	>0.99 Rated power (Adjustable 0.8 LG - 0.8 LD)	
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	
General		
Topology	Transformerless	
IP Rating	IP65	
Night Self Consumption	<1W	
Cooling	Natural cooling	
Operating Temperature Range	-25 C -60 C	
Relative Humidity Range	0-100%	
Max. Operating Altitude	4000m	
Dimensions (W*H*D)	555mm*446mm*270mm	
Weight	37Kg	
HMI & COM		
Display	Wireless & APP+LED, LCD (Optional)	
Communication	RS485, WiFi (Optional), GPRS (Optional)	
Certification		
Safety	IEC62109-1, IEC62109-2	
Grid Code	IEC61727, IEC62116, IEEE 1547	
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.

