

# THREE PHASE & DUAL MPPT

## SE 10/12KTL-DL3

Application: Small-sized Industrial and Residential Use



### SUPERIOR EFFICIENCY

- Max efficiency 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
<b>Efficiency</b>		
Max. Efficiency	97.3%	97.3%
<b>Input (PV)</b>		
Max. Input Voltage	800V	
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	
<b>Output (Grid)</b>		
Rated AC Active Power	10,500W	12,000W
Max. AC Apparent Power	11,500VA	13,500VA
Max. AC Active Power (PF=1)	11,500W	13,500W
Max. AC Output Current	3*28.3A	3*33.5A
Rated AC Voltage	220V, 3W+N+PE	
AC Voltage Range*	180V-300V (Adjustable)	
Rated Grid Frequency	60Hz	
Grid Frequency Range**	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)	
<b>Protection</b>		
DC switch	Support	
Anti-islanding protection	Support	
AC overcurrent protection	Support	
AC short circuit protection	Support	
DC reverse connection	Support	
Surge Arrester	DC Type II / AC Type II	
Insulation detection	Support	
Leakage current protection	Support	
<b>General</b>		
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	
Noise	<35dB	
Dimensions (W*H*D)	555mm*446mm*270mm	
Weight	37Kg	
<b>HMI &amp; COM</b>		
Display	Wireless & APP+LED, LCD (Optional)	
Communication	RS485, WiFi (Optional), GPRS (Optional)	
<b>Certification</b>		
Safety	IEC62109-1, IEC62109-2	
Grid Code	IEC61727, IEC62116, IEEE 1547	
Warranty	5 Years / 10Years (Optional)	

**Remarks:**

- The range of output voltage and frequency may vary depending upon different grid codes.
- Specifications are subject to change without advance notice.