

Three Phase 220V & Dual MPPT

SE 10KTL/12KTL-DL3

Application: Residential Use



Superior Efficiency

- ◆ Max efficiency 98.3%, European efficiency 98.0%
- ◆ Ultra-wide voltage range (180V-750V)
- ◆ ECO Invention patent technology



High Reliability

- ◆ Integrated type II DC/AC surge arresters



Intelligent Maintenance

- ◆ Intelligent monitoring via APP & Web
- ◆ Multiple remote monitoring for convenient operation and maintenance

Model	SE 10KTL-DL3	SE 12KTL-DL3
Efficiency		
Max. Efficiency	98.3%	98.3%
European Efficiency	98.0%	98.0%
Input(PV)		
Max. Input Voltage	800V	
Rated Input Voltage	360V	
Max. Input Current	2*25A	
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 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*	150V-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)	
Protection		
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	
General		
Topology	Transformerless	
IP Rating	IP65	
Night Self Consumption	<1W	
Cooling	Fan cooling	
Operating Temperature Range	-25°C-60°C	
Relative Humidity Range	0-100%	
Max. Operating Altitude	4000m	
Noise	<50dB	
Dimensions (W*H*D)	555*446*270mm	
Weight	37Kg	
HMI & COM		
Display	Bluetooth & APP +LED, LCD(Optional)	
Communication	WiFi(Optional), RS485, GPRS(Optional)	
Certification		
Safety	IEC62109-1, IEC62109-2	
Others	IEC 60068, IEC 61683	
Grid Code	VDE-AR-N 4105, IEC61727, IEC62116, VDE 0126-1-1	
Warranty	5 Years/10 Years(Optional)	

Remarks : ◆ The range of output voltage and frequency may vary depending up on different grid codes.
◆ Specifications are subject to change without advance notice.