

Single Phase & Dual MPPT

SE 5KTL/6KTL-D1

Application: Residential Use



Superior Efficiency

- ◆ Max efficiency 98.0%, European efficiency 97.4%
- ◆ Wide operating voltage range (70V-580V)



High Reliability

- ◆ Super power grid adaptability and stable application
- ◆ Die-cast aluminum enclosure design



Intelligent Maintenance

- ◆ 12.8kg, easy personal installation
- ◆ Intelligent monitoring via APP & Web
- ◆ Multiple remote monitoring for convenient operation and maintenance

Model	SE 5KTL-D1	SE 6KTL-D1
Efficiency		
Max. Efficiency	98.0%	98.0%
European Efficiency	97.4%	97.4%
Input(PV)		
Max. Input Voltage	600V	
Rated Input Voltage	360V	
Max. Input Current	22A (2*11A)	
Max.Short Circuit Current	30A(2*15A)	
Start Input Voltage/ Min. Operating Voltage	90V/70V	
MPPT Operating Voltage Range	70V-580V	
MPPT Operating Voltage Range (Full-Load)	240V-520V	300V-520V
Max. Number of PV Strings	2(1/1)	
No. of MPPTs	2	
Output(Grid)		
Rated AC Active Power*	5,000W	6,000W
Max. AC Apparent Power*	5,500VA	6,600VA
Max. AC Active Power ** (PF=1)	5,500W	6,600W
Max. AC Output Current	23.8A	28.6A
Rated AC Voltage	220V/230V, L+N+PE	
AC Voltage Range*	160V-300V(Adjustable)	
Rated Grid Frequency	50Hz/60Hz	
Grid Frequency Range**	45Hz-55Hz/55Hz-65Hz(Adjustable)	
THDI	<3%(Rated Power)	
DC Current Injection	<0.5%In	
Power Factor	> 0.99 Rated power(Adjustable 0.8 Leading - 0.8Lagging)	
Protection		
DC switch	Support	
Anti-islanding protection	Support	
AC overcurrent protection	Support	
AC short circuit protection	Support	
DC reverse connection	Support	
Surge Arrester	AC Type III	
Insulation detection	Support	
Leakage current protection	Support	
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	
Noise	<30dB	
Dimensions (W*H*D)	335*426*125mm	
Weight	12.8Kg	
HMI & COM		
Display	Bluetooth & APP +LED, LCD(Optional)	
Communication	WiFi(Optional), RS485(Optional), GPRS(Optional)	
Certification		
Safety	IEC62109-1, IEC62109-2	
Others	IEC 60068/61683	
Grid Code	VDE-AR-N 4105, IEC61727/62116, VDE 0126-1-1, ABNT NBR 16149, IEEE 1547, AS 4777	
Warranty	5 Years/10 Years(Optional)	

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