

THREE PHASE & DUAL MPPT

SE 17/18KTL-DL3

Application: Small-sized Industrial and Residential Use



SUPERIOR EFFICIENCY

- Max efficiency 97.5%
- 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 16KTL-DL3	SE 18KTL-DL3
Efficiency		
Max. Efficiency	97.5%	97.5%
Input (PV)		
Max. Input Voltage	800V	
Rated Input Voltage	360V	
Max. Input Current	81A (2*40.5A)	
Max.Short Circuit Current	90A (2*45A)	
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	6 (3/3)	
No. of MPPTs	2	
Output (Grid)		
Rated AC Active Power	16,000W	17,500W
Max. AC Apparent Power	18,000VA	20,000VA
Max. AC Active Power (PF=1)	18,000W	20,000W
Max. AC Output Current	3*42A	3*48A
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 Leading - 0.8 Lagging)	
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)	555mm*446mm*270mm	
Weight	41Kg	
HMI & COM		
Display	Wireless & APP+LED	
Communication	RS485, WiFi (Optional), GPRS (Optional)	
Certification		
Safety	IEC62109-1, IEC62109-2	
Grid Code	IEEE 1547, IEC 61727, IEC62116	
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.