

THREE PHASE & DUAL MPPT

SE 16/18KTL-DL3

Application: Small-Scale Industrial and Residential Use



SUPERIOR PERFORMANCE

- Max efficiency of 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			
Max. PV Configuration	150%			
Rated Input Voltage	360V			
Max. Input Current	40.5A/40.5A			
Max.Short Circuit Current	45A/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	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 Output Current	3*42A		3*48A	
Rated AC Voltage	220V, 3W+N+PE			
AC Voltage Range①	150V-300V (Adjustable)			
Rated Grid Frequency	60Hz			
Grid Frequency Range②	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	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 (Standard)			
Cooling	Fan cooling			
Operating Temperature Range	-25℃-60℃			
Relative Humidity Range	0-100%			
Max. Operating Altitude	4000m			
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			

Remarks: · ①②The range of output voltage and frequency may vary depending on different grid codes.
· Specifications are subject to change without advanced notice.

