

Three Phase 220V & Quad MPPT

SE 30KTL/36KTL-QL3

Application: Small-sized Industrial and Commercial Use



Superior Efficiency

- ◆ Max efficiency 98.8%, European efficiency 98.4%
- ◆ 4 independent MPPTs
- ◆ 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



Excellent Grid Compatibility

- ◆ Advanced grid impedance algorithm for large-scale power stations
- ◆ Active power/reactive power control

Model	SE 30KTL-QL3		SE 36KTL-QL3	
Efficiency				
Max. Efficiency	98.6%		98.6%	
European Efficiency	98.3%		98.3%	
Input(PV)				
Max. Input Voltage	800V			
Rated Input Voltage	360V			
Max. Input Current	110A (33A/33A/22A/22A)		132A (33A/33A/33A/33A)	
Max.Short Circuit Current	140A(42A/42A/28A/28A)		168A(42A/42A/42A/42A)	
Start Input Voltage/ Min. Operating Voltage	250V/200V			
MPPT Operating Voltage Range	200V-750V			
MPPT Operating Voltage Range (Full-Load)	300V-680V			
Max. Number of PV Strings	10(3/3/2/2)		12(3/3/3/3)	
No. of MPPTs	4			
Output(Grid)				
Rated AC Active Power	208V	27,500W	208V	32,500W
	220V	29,500W	220V	34,500W
	240V	31,500W	240V	37,000W
Max. AC Apparent Power	33,000VA		40,000VA	
Max. AC Active Power (PF=1)	33,000W		40,000W	
Max. AC Output Current	3*83A		3*92A	
Rated AC Voltage	208V/220V/240V, 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 - 0.8Lagging)			
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	Natural cooling			
Operating Temperature Range	-25°C-60°C			
Relative Humidity Range	0-100%			
Max. Operating Altitude	4000m			
Noise	<50dB			
Dimensions (W*H*D)	550*715*284mm			
Weight	65Kg		67Kg	
HMI & COM				
Display	Bluetooth & APP +LED			
Communication	WiFi(Optional), RS485, GPRS(Optional)			
Certification				
Safety	IEC62109-1, IEC62109-2			
Grid Code	IEEE 1547, IEC 61727, IEC62116			
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.