

# THREE PHASE & QUAD MPPT

## SE 75KTL-QH3

Application: Large-scale Industrial and Commercial Sites



### SUPERIOR EFFICIENCY

- Max efficiency 98.6%, European efficiency 98.4%
- 4 independent MPPTs
- ECO Invention patent technology



### HIGH RELIABILITY

- Integrated type II DC/AC surge arresters
- Built-in intelligent I-V curve detection(optional)
- Full range of IP66 waterproof and dustproof design



### 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
- Virtual power compensation (PF 0.9), real power does not drop



Model	SE 75KTL-QH3
<b>Efficiency</b>	
Max. Efficiency	98.6%
European Efficiency	98.4%
<b>Input(PV)</b>	
Max. Input Voltage	1100V
Rated Input Voltage	680V
Max. Input Current	150A (37.5A/37.5A/37.5A/37.5A)
Start Input Voltage/ Min. Operating Voltage	250V/200V
MPPT Operating Voltage Range	200V-1000V
MPPT Operating Voltage Range (Full-Load)	600V-850V
Max. Number of PV Strings	12 (3/3/3/3)
No. of MPPTs	4
<b>Output(Grid)</b>	
Rated AC Active Power	75,000W
Max. AC Apparent Power	83,300VA
Max. AC Active Power (PF=1)	83,300W
Max. AC Output Current	3*100A
Rated AC Voltage	480V, 3W +PE
AC Voltage Range*	400V-520V (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)
<b>Protection</b>	
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
<b>General</b>	
Topology	Transformerless
IP Rating	IP66
Night Self Consumption	<1W
Cooling	Fan cooling
Operating Temperature Range	-25°C-60°C
Relative Humidity Range	0-100%
Max. Operating Altitude	4000m
Noise	<62dB
Dimensions (W*H*D)	855*565*275mm
Weight	79Kg
<b>HMI &amp; COM</b>	
Display	Bluetooth & APP +LED, LCD (Optional)
Communication	WiFi (Optional), RS485, GPRS (Optional)
<b>Certification</b>	
Safety	IEC62109-1, IEC62109-2, CNS 15426-2, VED-AR-N4105, CNS 15382
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.