

SL3-15KRG-W

Three Phase Grid-Connection Inverter



Efficient Income

- The max. efficiency is 98.6%, which is higher than the industry average
- Max. 16A string current access, with strong component adaptability
- Support 150% DC side over-distribution to increase power generation



Safe and Reliable

- Intelligent arc monitoring to ensure the safety of power stations
- AC/DC secondary lightning protection design to make the system safer
- IP66 protection degree, for better environmental adaptability



Intelligent and Friendly

- Intelligent I-V curve scanning for accurate fault position
- LED & LCD design, more friendly display
- Support RS485/4G/WIFI and other communication modes
- The software supports rapid upgrade of USB port
- Screw-free face cover design, simple and elegant

Technical Data	SL3KRG-W	SL4KRG-W	SL5KRG-W	SL6KRG-W	SL7KRG-W	SL8KRG-W	SL9KRG-W	SL10KRG-W	SL11KRG-W	SL12KRG-W	SL13KRG-W	SL15KRG-W	
Input Data (DC)													
Max. Input Power (for module STC)	4.5 kW	6 kW	7.5 kW	9 kW	10.5 kW	12 kW	13.5 kW	15 kW	16.5 kW	18 kW	19.5 kW	22.5 kW	
Max. DC Voltage	1100 V												
Start-up Voltage	180 V												
Nominal Voltage	600 V												
MPPT Voltage Range	140-1000 V												
No. of MPP Trackers	2												
No. of PV Strings per MPP Tracker	1 / 1						1 / 2						
Max. Input Current per MPP Tracker	16A / 16A						16A / 32A						
Output Data (AC)													
Nominal Output Power	3 kW	4 kW	5 kW	6 kW	7 kW	8 kW	9 kW	10 kW	11 kW	12 kW	13 kW	15 kW	
Max. AC Apparent Power	3.3 kVA	4.4 kVA	5.5 kVA	6.6 kVA	7.7 kVA	8.8 kVA	9.9 kVA	11.1 kVA	12.1 kVA	13.2 kVA	14.3 kVA	16.5 kVA	
Nominal AC Voltage (Range)	230 / 400 V (340-440 V)												
AC Grid Frequency (Range)	50 / 60 Hz (45-55 / 55-65Hz)												
Max. Output Current (PF=0.9)	4.8 A	6.4 A	8.0 A	9.6 A	11.2 A	12.8 A	14.4 A	15.9 A	17.5 A	19.1 A	20.7 A	23.9 A	
Adjustable Power Factor	0.8leading...0.8lagging												
THDi	<3%												
AC Grid Connection Type	3L/N/PE or 3L/PE												
Efficiency													
Max. Efficiency	98.4%						98.5%						98.6%
European Efficiency	97.5%						98.0%						98.1%
MPPT Efficiency	99.9%						99.9%						99.9%
Protection													
Anti Reverse Power Function	Optional												
DC Reverse Polarity Protection	Yes												
DC Switch	Yes												
AC/DC Surge Protection	Type II												
Insulation Resistance Monitoring	Yes												
AC Short-circuit Protection	Yes												
Grid Monitoring	Yes												
Anti-islanding Protection	Yes												
Residual-current Monitoring Unit	Yes												
String Fault Monitoring	/						Optional						
AFCI Protection	Optional												
General Data													
Dimensions (W×H×D)	440 × 370 × 140 mm						440 × 370 × 186 mm						440 × 370 × 186 mm
Weight	13 kg						16 kg						18 kg
Operating Temperature Range	-25°C ~ +60°C (> 45°C derating)												
Relative Humidity	0-100%												
Altitude	4000 m (> 2000 m derating)												
Self-consumption at Night	<1 W												
Topology	Transformerless												
Cooling	Natural Cooling												Intelligent Air Cooling
Protection Degree	IP66												
DC Connection	H4 / MC4(Optional)												
AC Connection	Connector												
Guarantee Period	5 Years / 10Years(Optional)												
Display and Communication													
Display	LED & LCD												
Communication	Yes:RS485/USB, Optional:4G/WiFi												
Criteria Met													
Grid Connection Standards	G98/G99, VDE0126, VDE4105, VDE0124, EN50549-1/2, CEI 0-21/CEI 0-16, AS4777.2, IEC61727, IEC62116, PEA, MEA												
Safety Standards	IEC62109-1/2, IEC62116, IEC61727, IEC61683, IEC60068(1,2,14,30)												
EMC Standards	EN61000-6-1/2/3/4												