

# SL17-25KRG-W

## Three Phase Grid-Connection Inverter



### Efficient Income

- Low voltage start-up, early power generation and multi-income
- Max. 16A string current access, with strong component adaptability
- Support 150% DC side over-distribution to increase power generation
- Wide range of MPPT and more flexible component configuration
- Internal integrated PID repair and protection functions



### 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	SL17KRG-W	SL20KRG-W	SL22KRG-W	SL25KRG-W
<b>Input Data (DC)</b>				
Max. Input Power (for Module STC)	25.5 kW	30 kW	33 kW	37.5 kW
Max. DC Voltage			1100 V	
Start-up Voltage			180 V	
Nominal Voltage			600 V	
MPPT Voltage Range			160~1000 V	
No. of MPP Trackers			2	
No. of PV Strings per MPP Tracker			2 / 2	
Max. Input Current per MPP Tracker			32A / 32A	
<b>Output Data (AC)</b>				
Nominal Output Power	17 kW	20 kW	22 kW	25 kW
Max. AC Apparent Power	18.7 kVA	22 kVA	24.2 kVA	27.5 kVA
Nominal AC Voltage			230 V / 400 V	
AC Grid Frequency (Range)			50 / 60 Hz (45 ~ 55 Hz / 55 ~ 65 Hz)	
Max. Output Current (PF=0.9)	28.4 A	33.4 A	36.8 A	41.8 A
Power Factor (Rated Power)			>0.99	
Adjustable Power Factor			0.8leading...0.8lagging	
THDi			<3%	
AC Grid Connection Type			3L/N/PE or 3L/PE	
<b>Efficiency</b>				
Max. Efficiency			98.5%	
European Efficiency			98.1%	
MPPT Efficiency			99.9%	
<b>Protection</b>				
Anti Reverse Power Function			Optional	
DC Reverse Polarity Protection			Yes	
DC Switch			Yes	
AC/DC Surge Protection			Type II	
Insulation Resistance Monitoring			Yes	
RCD Detection (GFCI)			Yes	
AC Short-circuit Protection			Yes	
Grid Monitoring			Yes	
Anti-islanding Protection			Yes	
Residual-current Monitoring Unit			Yes	
PID Recovery Function			Optional	
String Fault Monitoring			Yes	
AFCI Protection			Optional	
<b>General Data</b>				
Dimensions (W×H×D)			520 x 420 x 242 mm	
Weight			≤25kg	
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			Intelligent Air Cooling	
Protection Degree			IP66	
DC Connection			H4 / MC4(Optional)	
Guarantee Period			5 Years / 10 Years(Optional)	
<b>Display and Communication</b>				
Display			LED & LCD	
communication			Yes:RS485/USB, Optional:4G/WiFi	
<b>Criteria Met</b>				
Grid Connection Standards	G98/G99, VDE0126, VDE4105, VDE0124, EN50438, EN50549-1/2, CEI0-21/CEI0-16, AS 4777.2, 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			