




KSG-100K-ML/ KSG-100K-MLM

String Grid-Tied PV Inverter



 1100Vdc, 400Vac
1/9 MPPT 18 DC inputs

 DC/AC Type II SPD optional
Smart I-V curve function

 High efficiency up to 99.0%
LED+ LCD

 Reactive power controller
LVRT/HVRT/FRT function

Technical Specifications

MODEL	KSG-100K-ML	KSG-100K-MLM
Input		
Max. DC voltage	1100V	1100V
MPPT voltage range	570-1000Vdc	200-1000Vdc
Full load MPPT voltage range	570-850Vdc	550-850Vdc
Rated DC voltage	710Vdc	620V
Min./start DC voltage	570/620Vdc	200/250Vdc
Number of MPPT	1	9
Strings per MPPT	18	2
Max. input current per MPPT	198A	26A
Output (AC)		
Rated AC output power		100kW
Max. AC output power		110kW
Rated AC voltage		400Vac
AC voltage range		400Vac±20%
Rated AC grid frequency		50 / 60Hz
AC grid frequency range		50 / 60Hz(±5Hz)
Rated output current		145A
Max. output current		160A
Power factor (cosφ)		0.8leading-0.8lagging
THDi		<3%
AC connection		3W+N+PE/3W+PE
Topology		Transformer-less
Efficiency		
Max. efficiency		99.0%
Euro efficiency		98.7%
Protection devices		
AC leakage current fault protection		Yes
LVRT		Yes
Ground fault protection		Yes
Anti-islanding protection		Yes
DC overvoltage protection		Yes
DC surge protection		Yes
AC surge protection		Yes
DC reverse-polarity protection		Yes
Physical		
Dimensions WxDxH(mm)	880×595×295	1050×600×320
Weight(kg)	60	82
Environment		
Operating temperature range		-25°C~+60°C
Noise emission (typical)		<60dB
Cooling type		Fans
Protection rating		IP65
Features		
LCD display		Yes
Interfaces		RS485 (WiFi Plug/GPRS Plug optional)

Specifications subject to change without prior notice.