KSTAR



KSG-120CL
KSG-150UM

String Grid-Tied PV Inverter

- 1100Vdc, 400/500Vac
  Smart I-V Curve Function
- 10/12 MPPT Tracker,20/24 PV Strings Input
  DC and AC Type II SPD
- Optional AFCI Function
  Optional Night SVG Function
- LED+Bluetooth APP
  Max.DC/AC ratio up to 1.5

MODEL	KSG-120CL	KSG-150UM
Input(DC)		
Max. DC voltage	1100V	1100V
Nominal voltage	620V	780V
Min./Startup voltage	250V	250V
MPPT voltage range	200V-1000V	200V-1000V
MPPT voltage range at full load	550V-850V	550V-850V
Number of MPPT	10	12
No. of Strings per MPPT	2	2
Number of strings input	20	24
Max. input current per MPPT	30A	30A
Max. short-circuit current per MPPT	50A	50A
Output(AC)		
Nominal AC output power	120kW@30℃ / 110kW@40℃ / 100kW@50℃	150KW@30℃ / 136kW@40℃ / 120KW@50℃
Max. AC apparent power	121kVA	150kVA
Max. AC output power	121kW	150kW
Nominal AC voltage	320-480Vac / 3W+PE / 3W+N+PE	400-621V / 3W+PE
AC grid frequency range	45-55Hz / 55-65Hz	45-55Hz / 55-65Hz
Rated output current	158.8A	157A
Max. output current	174.6A	173.2A
Power factor (cosΦ)	0.8leading-0.8lagging	0.8leading-0.8lagging
THDi	<3%	<3%
Efficiency		
Max. efficiency	98.7%	99.0%
Euro efficiency	98.3%	98.5%
Protection devices		
DC switch	Yes	Yes
Anti-islanding protection	Yes	Yes
Output over current	Yes	Yes
DC reverse polarity protection	Yes	Yes
String fault Detection	Yes	Yes
AC/DC surge protection	Yes	Yes
Insulation detection	Yes	Yes
AC leakage current fault protection	Yes	Yes
I/V Curve scanning	Yes	Yes
Anti-PID function	Optional	Optional
General Specifications		
Dimensions W x H x D (mm)	1055*700*336	1055*700*336mm
Weight(kg)	93	96
Operating temperature range	-25°C~+60°C	
Cooling type	Fan cooling	
Max. operation altitude	4000m（>3000m derating）	
Max. operation humidity	0~100%	
Night power consumption	<10W	
IP class	IP66	
Topology	Transformerless	
Communication	RS485 /Bluetooth+APP	
Display	LED	
Certification & Standard	EN/IEC62109-1； EN/IEC62109-2； IEC/EN61000-6-2;IEC/EN61000-6-4;IEC/EN61000-3-11;IEC/EN61000-3-12; IEC61683;IEC60068;IEC60529;IEC62116;IEC61727;EN50549-1;EN50549-2;NB/T32004-2018； GB/T19964-2012	

Specifications subject to change without prior notice.

KSTAR
Stock code: 002518

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