

KSTAR

Stock code: 002518

KSG-150UM/KSG-120CL

Powering Green Future



KSG-150UM/KSG-120CL

String Grid-Tied PV Inverter

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

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Model	KSG-150UM	KSG-120CL
Input(DC)		
Max. DC voltage	1100V	
MPPT voltage range	200-1000Vdc	
Rated DC voltage	780V	620V
Number of MPPT	12	10
Strings per MPPT	2	
Max. input current per MPPT	26A	
DC switch	Yes	
Output(AC)		
Nominal AC output power	150KW@25 °C, 136kW@40 °C, 120KW@50 °C	120kW@25 °C, 110kW@40 °C, 100kW@50 °C
Max. AC output power	150kW	121kW
Nominal AC voltage	500Vac	230V/400Vac
AC voltage range	400~621V	320~480V
Rated AC grid frequency range	50/60 Hz(±5Hz)(adjustable)	
AC grid frequency range	45~55Hz / 55~ 65Hz	
Rated output current	157A	158.8A
Max. output current	174.5A	176.4A
Power factor (cos φ)	0.8 leading ~ 0.8 lagging	
THDi	<3%	
AC connection	3W+PE	3W+PE(default),3W+N+PE(configurable)
Topology	Transformerless	
Efficiency		
Max. efficiency	99%	98.7%
Euro efficiency	98.5%	98.3%
MPPT efficiency	99.9%	
Protection devices		
Anti-islanding protection	Yes	
DC anti reverse connection	Yes	
AC Short-circuit protection	Yes	
AC leakage current fault protection	Yes	
Grid monitor	Yes	
DC switch	Yes	
String fault Detection	Yes	
Insulation detection	Yes	
Physical		
Dimensions (W * H * D)mm	1055 x 700 x 336	
Weight(kg)	110	96
Operating temperature range	-25 °C ~ 60 °C	
Noise emission (typical)	≤60dB	≤70dB
Cooling type	Fan Cooling	
Protection rating	IP66	
Features		
Display	LED Indicator, Bluetooth+APP	
Interfaces	RS485 / WiFi,GPRS,PLC (Optional)	

Specifications subject to change without prior notice.

SHENZHEN KSTAR NEW ENERGY CO., LTD

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