

KSTAR

Stock code: 002518

KSG-200UH/KSG-250UH

Powering Green Future



KSG-200UH/KSG-250UH

String Grid-Tied PV Inverter

- * 1500Vdc, 800Vac
- * Smart I-V Curve Function
- * Optional AFCI Function
- * Optional Night SVG Function
- * 12 MPPT, 24 DC Inputs
- * DC and AC Type II SPD
- * PLC communication
- * Max.DC/AC ratio > 1.5

MODEL	KSG200UH	KSG250UH
Input(DC)		
Max. DC voltage	1500V	1500V
Nominal voltage	1080V	1080V
Min./Startup voltage	600V	600V
MPPT voltage range	600V-1500V	600V-1500V
MPPT voltage range at full load	880V-1300V	880V-1300V
Number of MPPT	12	12
No. of Strings per MPPT	2	2
Number of strings input	24	24
Max. input current per MPPT	30A	30A
Max. short-circuit current per MPPT	50A	50A
Output(AC)		
Nominal AC output power	200kW@40℃ / 175kW@50℃	250KW 40℃ / 200KW 50℃
Max. AC apparent power	200kVA	250kVA
Max. AC output power	200kW	250kW
Nominal AC voltage	800V,640~920Vac / 3W+PE	800V,640~920Vac / 3W+PE
AC grid frequency range	50/60Hz±5Hz (adjustable)	50/60Hz±5Hz (adjustable)
Rated output current	126.3A	162.4A
Max. output current	144.3A	178.6A
Power factor (cosΦ)	0.8leading-0.8lagging	0.8leading-0.8lagging
THDi	<3%	<3%
Efficiency		
Max. efficiency	>99.01%	>99.01%
Euro efficiency	>98.52%	>98.52%
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
PID recovery	Optional	Optional
General Specifications		
Dimensions W x H x D (mm)	1055*700*336	
Weight(kg)	110	
Operating temperature range	-25℃~+60℃ (>50° derating)	
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.

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