

# DSG 200 -250 UH Series

Inspiring the Future



## DSG 200 -250 UH Series

### 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

The DSG-200UH/DSG-250UH PV inverter is a three-phase inverter whose input Max. DC voltage is 1500V, which is widely applied for large commercial PV systems and large-scale centralized PV power plants. It is high efficiency, high reliability and easy installation. Based on the control system that can be connected to the local or remote communication interface of the host computer via network cable.

MODEL	DSG200UH	DSG250UH
<b>Input(DC)</b>		
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
<b>Output(AC)</b>		
Nominal AC output power	200kW@40 °C / 175kW@50 °C	250KW 30 °C / 225KW 40 °C / 200KW 50 °C
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%
<b>Efficiency</b>		
Max. efficiency	>99.01%	>99.01%
Euro efficiency	>98.52%	>98.52%
<b>Protection devices</b>		
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
<b>General Specifications</b>		
Dimensions W x H x D (mm)	1055□700□336	
Weight(kg)	110	
Operating temperature range	-25°C ~ +60°C (>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.