Wind Solutions Ltd.

PV
Grid-connected Inverter

HS-ION100K

FEATURES

1. High conversion efficiency.
2. Advanced technology for maximum power point tracking (MPPT).
3. >99% MPPT efficiency.
4. Wide input voltage range.
5. Without transformer.
6. Protection against reverse polarity, voltage surges, short circuits.
7. Powerful communication interfaces.
8. Integrated data logger available.
9. Easy operation and installation
10. Easy-to-set multilingual LCD display.
11. Adjustable protection/operation parameters

DC DATA	
Max. DC voltage	880 Vdc
MPPT voltage range	450~820Vdc
Max. DC power	110kWp
Ma x. input current	250A
Max. number of strings	4

AC DATA	
Output power	100kW
Nominal grid-voltage	310~450Vac
Nominal grid- frequency	50Hz / 60Hz
Current THD (at nominal power)	< 3 %
Power Factor (at nominal power)	>0.99

SYSTEM	
Max Efficiency	97.0 %
Europe Efficiency	96.7 %
Protection degree	IP20(indoor)
Operation temperature	-20°C~+55°C
Cooling method	Controlled force-air colling
Relative humidity	0~95% non condensing
Display	LCD
Communication interfaces (optional)	RS485 Ethernet / GPRS

MECHANICAL DATA	
Size: W | H | D (mm)	1020x1964x770
Weight	800.0kg

SOLAR HS-ION100K HS-ION100K

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