Wind Solutions Ltd.

Wind
Grid-connected Inverter

HW-ION5K

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.

DC INPUT	
Recommended Generator Rated Power	3kW
DC input voltage range	200~780Vdc
Ma x. input current	28A

AC OUTPUT	
Max. output power	5500 W
Nominal output power	5kW
Current THD (at nominal power)	< 3 %
Nominal grid-voltage	180~260Vac
Nominal output current	21.7A
Nominal grid- frequency	50Hz / 60Hz
Power Factor (at nominal power)	>0.99

SYSTEM	
Max Efficiency	94 %
Europe Efficiency	93 %
Protection degree	IP20(indoor)
Operation temperature	-20°C~+40°C
Cooling method	Natural cooling
Relative humidity	0~95% non condensing
Recommended controller	WEL-6K
Display	LCD
Communication interfaces (optional)	RS485 Ethernet / GPRS

MECHANICAL DATA	
Size: W | H | D (mm)	356 x 569 x 243
Weight	53.0kg

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