Wind Solutions Ltd.

HW-ION1K

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	1kW
DC input voltage range	70~400Vdc
Ma x. input current	10A

AC OUTPUT	
Max. output power	1800 W
Nominal output power	1.5kW
Current THD (at nominal power)	< 3 %
Nominal grid-voltage	180~260Vac
Nominal output current	6.5A
Nominal grid- frequency	50Hz / 60Hz
Power Factor (at nominal power)	>0.99

SYSTEM	
Max Efficiency	95 %
Europe Efficiency	93 %
Protection degree	IP41(indoor)
Operation temperature	-20°C~+40°C
Cooling method	Natural cooling
Relative humidity	0~95% non condensing
Recommended controller	WEL-2K
Display	LCD
Communication interfaces (optional)	RS485 Ethernet / GPRS

MECHANICAL DATA	
Size: W | H | D (mm)	288 x 417 x 126
Weight	11.5kg

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