Wind Solutions Ltd.

PV
Grid-connected Inverter

HS-ION500K

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	550kWp
Ma x. input current	1200A
Max. number of strings	16

AC DATA	
Output power	500kW
Nominal grid-voltage	400Vac
Nominal grid- frequency	50Hz / 60Hz
Current THD (at nominal power)	< 3 %
Power Factor (at nominal power)	>0.99

SYSTEM	
Max Efficiency	96.7 %
Europe Efficiency	95.6 %
Protection degree	IP20(indoor)
Operation temperature	-20°C~+40°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 + W | H | D (mm)	2800x2180x850+ 1800x2180x1200
Weight	3300.0kg

SOLAR HS-ION500K HS-ION500K

Wind Solutions Ltd. / Tel: 519-289-2726 E-mail: sales@windsolutions.ca
P.O. BOX 20004 Suite 78, Front Street East Strathroy, Ontario, Canada. N7G 4L6