Wind Solutions Ltd.

HS-ION50K

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	55kWp
Ma x. input current	130A
Max. number of strings	2

AC DATA	
Output power	50kW
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	95 %
Europe Efficiency	94 %
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 (mm)	820x1964x646
Weight	700.0kg

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