# Wind Solutions Ltd.

# PV
## Grid-connected Inverter

# HS-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.
11. Adjustable protection/operation parameters

| DC DATA | |
|---|---|
| Max. DC voltage | 450 Vdc |
| MPPT voltage range | 150V~380 V |
| Max. DC power | 1700Wp |
| Ma x. input current | 10A |
| Max. number of strings | 1 |

| AC DATA | |
|---|---|
| Output power | 1500 W |
| Nominal grid-voltage | 180~260Vac |
| Nominal grid- frequency | 50Hz / 60Hz |
| Current THD (at nominal power) | < 3 % |
| 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 |
| Display | LCD |
| Communication interfaces (optional) | RS485 Ethernet / GPRS |

| MECHANICAL DATA | |
|---|---|
| Size: W \| H \| D (mm) | 288 x 417 x 126 |
| Weight | 10.3kg |

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