

PB11KH-G2

Solartech Solar Pumping Inverter

- Compatible with submersible pumps, surface pumps, swimming pool pumps using 3-phase induction motors.
- Patented dynamic VI maximum power tracking (MPPT) algorithm; Faster response and good stability. MPPT efficiency reaches 99%.
- Full automatic operation. 8 years storage capacity for operation data.
- Support soft start of pump. Full motor protections. Optional water level switch to protect overflow and dry running.
- Multiple DC input strings can implement solar combiner function, anti-reverse circuit at each input string.
- Good sealing, IP65 protection grade. Ambient temperature: -20~+60°C. Ambient humidity ≤95%. Suitable for harsh outdoor installation environment.
- Using high standard components. Wide input voltage range, low voltage models with built-in boost circuits, flexible options for solar array design.
- LCD display, user friendly interface, rich display information.
- Optional grid/diesel back-up, meeting running requirement for day and night.
- Intelligent recognition of input voltage, automatic operation without manually debugging on the voltage parameters in advance.
- Optional RS485/GPRS interface to implement system remote monitoring.
- Optional advanced functions: encryption for installment payment, analog input control, timing control, alarm output.

Technical Data

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|-----------------------------------|--------------------|
| Rated Power | 11 kW |
| Max. Solar Input Power | 16 kW |
| Input String | 4 |
| Max. Input Current of Each String | 15 A |
| Max. DC Input Voltage | 750 V |
| Recommended MPP Voltage* | 500 - 700 V |
| Adapting Motor Power | 9.2 - 11 kW |
| Adapting Motor Voltage | 380 - 440 V |
| Rated AC Output Current | 24 A |
| Output Frequency | 0 - 50 / 60 Hz |
| MPPT Efficiency | 99% |
| Conversion Efficiency | max. 98% |
| Ambient Temperature | -20 ~ 60 °C |
| Cooling Method | forced air cooling |
| Display | LCD |
| Protection Grade | IP65 |



Dimension and Weight

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|-------------------|--------------------|
| Product Dimension | 425 × 415 × 205 mm |
| Packing Size | 520 × 480 × 315 mm |
| Net Weight | 14.5 kg |
| Gross Weight | 17 kg |

Relevant Information

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|--------------------|--|
| Optional Function | Grid / Diesel back-up Remote monitoring |
| Optional Accessory | Water level switch (for well or tank) |
| Warranty | 3 years |

Standards



EN 61000-6-3:2007
EN 61000-6-1:2007
IEC 61000-4-2
IEC 61000-4-3
EN 50178:1997

Recommended MPP Voltage*: Under standard test conditions, 1000W/m² solar irradiance, 25°C cell temperature.