

PB3700H-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

Rated Power	3.7 kW
Max. Solar Input Power	5 kW
Input String	2
Max. Input Current of Each String	15 A
Max. DC Input Voltage	750 V
Recommended MPP Voltage*	500 - 700 V
Adapting Motor Power	2.2 - 3.7 kW
Adapting Motor Voltage	380 - 440 V
Rated AC Output Current	9 A
Output Frequency	0 - 50 / 60 Hz
MPPT Efficiency	99%
Conversion Efficiency	max. 98%
Ambient Temperature	-20 ~ 60 °C
Cooling Method	natural air cooling
Display	LCD
Protection Grade	IP65



Dimension and Weight

Product Dimension	335 × 335 × 175 mm
Packing Size	430 × 400 × 285 mm
Net Weight	11.5 kg
Gross Weight	13 kg

Relevant Information

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.