

PB3000S2-G4

Solartech Solar Pumping Inverter

- Compatible with submersible pumps, surface pumps, swimming pool pumps using 3-phase / single-phase / asynchronous motors and permanent magnet brushless motor.
- Patented dynamic VI maximum power tracking (MPPT) algorithm, MPPT efficiency reaches 99%.
- Fully automatic operation. Pump operation frequency range can be set based on project requirement.
- Support soft start of pump. Full motor protections. Optional water level switch to protect overflow and dry running.
- Support software anti-dry run function for condition without installation of water level switch.
- Full aluminum alloy case. IP65 protection grade. Ambient temperature: -20~+60℃. Ambient humidity ≤95%. Suitable for harsh outdoor installation environment.
- ★ Built-in boost and PFC circuit for small power models, with wide input voltage range, flexible options for solar panels configuration.
- ★ Support dual power supply of PV/AC power, with solar priority function which can meet the requirement of 24 hours application while the priority is given to the maximum utilization of solar energy.
- ★ One key to enable the power saving mode (CRUISE), limit the maximum AC input power, saving energy.
- ★ Built-in DC circuit breaker and fuse, integrated design for system cost saving and wiring simplifying. Optional lightning protection module meets higher safety and reliability requirements.
- ★ Optional built-in wireless communication module or DM series data monitor to implement system remote monitoring, and realize timing control, pressure detection and control, water level detection and control, and other water pump control functions.
- ★ Optional PayGo function module to provide convenient and reliable installment payment functions.

Technical Data

Rated Power	3 kW
Max. DC Input Current	13 A
Max. DC Input Voltage	480 V
Recommended MPP Voltage	250 - 400 V
AC Input Voltage	1PH 187 - 400 V
Max. AC Input Current	13 A
Adapting Motor Power	2.2 kW
Adapting Motor Voltage	1PH 220 - 240 V
Rated AC Output Current	14 A
Output Frequency	0 - 50 / 60 Hz
MPPT Efficiency	99%
Rated Conversion Efficiency	≥95%
Ambient Temperature	-20 ~ 60 ℃
Cooling Method	forced air cooling
Display	LED
Protection Grade	IP65

Dimension and Weight

Product Dimension	266 × 296 × 111 mm
Packing Size	386 × 367 × 180 mm
Net Weight	5.8 kg
Gross Weight	6.8 kg

Relevant Information

Optional Accessory	Water level switch (for well or tank)
	Built-in wireless communication module (Model-R)
	Extended function board for sensors and RS485 connection

Warranty	3 years
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Standards	IEC 62109-1:2010 IEC 62109-2:2011 IEC 61000-6-2:2019 EN 61000-6-4:2019
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