

## Solartech PB-G2 Solar Pumping Inverters

- 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. Pump operation frequency range can be set based on project requirement. 8 years storage capacity for operation data.
- Intelligent power module used in main circuit. High reliability. Up to 98% conversion efficiency.
- 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.



### Solartech PB-G2 Solar Pumping Inverter Specifications

Model	Max. Solar Input Power (kW)	Max. DC Input Voltage (V)	Input String	Recommended MPP Voltage (V)	Rated Output Current (A)	Output Frequency (Hz)	Output Voltage (VAC)	Net Weight (kg)	Gross Weight (kg)	Packing Size (mm)		
										Length	Width	Height
PB750L-G2	1.1	450	2	150 - 360	5	0 - 50 / 60	3PH 220V	10	11.5	430	400	285
PB1500L-G2	2.2	450	2	150 - 360	7	0 - 50 / 60	3PH 220V	11	12.5	430	400	285
PB2200L-G2	3.3	450	2	150 - 360	11	0 - 50 / 60	3PH 220V	11.5	13	430	400	285
PB3700L-G2	5	450	2	280 - 360	17	0 - 50 / 60	3PH 220V	11.5	13	430	400	285
PB3700H-G2	5	850	2	500 - 700	9	0 - 50 / 60	3PH 380V	11.5	13	430	400	285
PB5500H-G2	8	850	2	500 - 700	13	0 - 50 / 60	3PH 380V	14	16.5	520	480	315
PB7500H-G2	11	850	2	500 - 700	18	0 - 50 / 60	3PH 380V	14.5	17	520	480	315
PB11KH-G2	16	850	4	500 - 700	24	0 - 50 / 60	3PH 380V	14.5	17	520	480	315
PB15KH-G2	22	850	4	500 - 700	30	0 - 50 / 60	3PH 380V	15	17.5	520	480	315
PB18KH-G2	28	850	4	500 - 700	39	0 - 50 / 60	3PH 380V	15	17.5	520	480	315

PB 2200 L -G2 A

- Optional Function (A: Grid/diesel back-up)
- Generation 2 Product
- Output Voltage (L: 220V H: 380V)
- Inverter Rated Power (W)
- Inverter of Pumping Boy Series