

Solartech PB-G2 Series Solar Pumping Inverters

Product Introduction

Solartech PB-G2 Series Solar Pumping Inverter controls and regulates the operation of solar pumping system. It drives the pump by converting DC power produced by solar array into AC power and adjusts the output frequency according to solar radiation in real time to implement maximum power point tracking (MPPT).



Product Features

Higher Efficiency

- Produced by world's earliest professional solar pumping inverter manufacturer, 10 years designed life and the longest 3 years warranty in industry;
- Widely applied in over 110 countries and regions, high durability, good reputation, CE Certified;
- Compatible with submersible pumps, surface pumps, swimming pool pumps and other pumps using three-phase asynchronous motors;
- Patented dynamic VI maximum power tracking (MPPT) algorithm, fast response, good stability and 99% MPPT efficiency ;
- High reliability due to the uses of intelligent power modules (IPM) in main circuit;
- Using high standard components, wide input voltage range, built-in boost circuits for low power models, flexible options for solar panels configuration;
- Up to 98% conversion efficiency of the inverter;

Safe

- Supporting soft start of pump, full motor protections, optional water level switch to prevent overflow and dry running;
- Good sealing, IP65 protection grade, ambient temperature: -20°C~+60°C, suitable for various harsh outdoor environments;
- Solar combiner function, which supports multiple DC input strings and each string is equipped with anti-reverse circuit;

Convenient

- Full automatic operation, free setting of the operation frequency range of pump according to system conditions, 8 years storage capacity for operation data;
- LCD display, user friendly interface, abundant information displayed;
- Intelligent recognition of input voltage, automatic operation without manual setting of voltage parameters;
- Optional grid/diesel backup power supply to satisfy all-weather 24 hours operation demand;
- Optional DM Series Data Monitors for GPRS remote monitoring & Bluetooth near field monitoring ;

Brand History

- In 2001, Solartech invented solar pumping system;
- In 2004, Solartech built the world's first solar pumping system demonstration base;
- In 2008, Solartech built the world's first professional full series solar pumping inverter manufacturing factory;
- In 2011, Solartech solar pumping products entered Chinese Key Promotion Guidance Catalog of Advanced Water Conservancy Technologies;
- In 2014, Solar water pumping technologies and global applications were awarded the United Nations Global Human Settlement Model of Green Technology;
- In 2016, Solartech was invited to attend World Irrigation Forum to promote global development of solar water conservancy industry;
- Solartech solar pumping products have been applied in more than 110 countries and regions around the world;

PB-G2 Series Solar Pumping Inverter Specifications

Model	Max.Solar Input Power (kW)	Max.DC Input Voltage	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 (A)	1.1	450	2	150 - 360	5	0 - 50 / 60	3PH220V	10	11.5	430	400	285
PB1500L-G2 (A)	2.2	450	2	150 - 360	7	0 - 50 / 60	3PH220V	11	12.5	430	400	285
PB2200L-G2 (A)	3.3	450	2	150 - 360	11	0 - 50 / 60	3PH220V	11.5	13	430	400	285
PB3700L-G2 (A)	5	450	2	280 - 360	17	0 - 50 / 60	3PH220V	11.5	13	430	400	285
PB5500L-G2 (A)	8	450	4	280 - 360	25	0 - 50 / 60	3PH220V	14	16.5	520	480	315
PB3700H-G2 (A)	5	850	2	500 - 700	9	0 - 50 / 60	3PH380V	11.5	13	430	400	285
PB5500H-G2 (A)	8	850	2	500 - 700	13	0 - 50 / 60	3PH380V	14	16.5	520	480	315
PB7500H-G2 (A)	11	850	2	500 - 700	18	0 - 50 / 60	3PH380V	14.5	17	520	480	315
PB11KH-G2 (A)	16	850	4	500 - 700	24	0 - 50 / 60	3PH380V	14.5	17	520	480	315
PB15KH-G2 (A)	22	850	4	500 - 700	30	0 - 50 / 60	3PH380V	15	17.5	520	480	315
PB18KH-G2 (A)	28	850	4	500 - 700	39	0 - 50 / 60	3PH380V	15	17.5	520	480	315

PB2200 L-G2 A

- Optional Function (A: Grid/diesel backup power supply)
- Second Generation Product
- Output Voltage Level (L: 220 V, H: 380 V)
- Inverter Rated Power (W)
- Solar Pumping Inverter Product Series