



Solar Pumping Inverter

Solar pumping inverter can implement the control of the whole system operation, which drives the pump by converting DC power produced by the PV array to AC power. This inverter can adjust the output frequency according to the solar radiation intensity in real time to implement the MPPT (maximum power point tracking).

- Compatible with 3-phase induction motors;
- Dynamic VI maximum power point tracking (MPPT) algorithm and optimized SPWM control method. Faster speed of response and good stability;
- Fully automatic operation. Free setting speed range based on practical situation of the system. Storage capacity for 8 years operational data;
- Intelligent power module used in main circuit. High reliability. 98% conversion efficiency;
- Full motor protection functions. Optional water level detecting and control circuit for overflow and idle running prevention; Anodized aluminum case. IP54 (less than 22KW) protection grade. Ambient temperature: -10~+50°C.

Solartech Solar Pumping Inverter Specifications

Model	Maximum Input DC Voltage (V)	Recommended MPPT Voltage (V)	Rated Output Current(A)	Output Frequency(Hz)	Output Voltage(V)	Net Weight(KG)	Gross Weight(KG)	Packing Size(MM)		
								Length	Width	Height
PB400L	430	280-350	3	0-50	3PH220V	3.4	4.9	320	280	225
PB750L	430	280-350	5	0-50	3PH220V	3.4	4.9	320	280	225
PB1500L	430	280-350	7	0-50	3PH220V	4.0	5.6	355	280	225
PB2200L	430	280-350	11	0-50	3PH220V	4.0	5.6	355	280	225
PB3700LA	430	280-350	17	0-50	3PH220V	7.2	9.5	425	325	285
PB5500LA	430	280-350	25	0-50	3PH220V	7.3	9.6	425	325	285
PB3700H	750	500-600	9	0-50	3PH380V	7.2	9.5	425	325	285
PB5500H	750	500-600	13	0-50	3PH380V	7.3	9.6	425	325	285
PB7500H	750	500-600	18	0-50	3PH380V	7.7	10	425	325	285
PB11KH	750	500-600	24	0-50	3PH380V	8.2	10.5	425	325	285
PB15KH	750	500-600	30	0-50	3PH380V	8.4	10.7	425	325	285
PB18KH	750	500-600	39	0-50	3PH380V	8.4	10.7	425	325	285
PB22KH	750	500-600	45	0-50	3PH380V	18	21	600	465	350
PB30KH	750	500-600	60	0-50	3PH380V	18	21	600	465	350
PB37KH	750	500-600	75	0-50	3PH380V	20	23	600	465	350
PB45KH	750	500-600	91	0-50	3PH380V	20	23	600	465	350
PB55KH	750	500-600	112	0-50	3PH380V	20	23	600	465	350

Definition of Inverter Model:

