

Solartech PK Series Solar Pumping Inverters

Product Introduction

Solartech PK Series Solar Pumping Inverter is a series of flexible and easy-to-use economical solar pumping inverters developed by Solartech to satisfy the different application needs of customers. It provides an integrated solution based on economy and effectiveness for global users.



Product Features

Excellent Performance

- Compatible with submersible pumps, surface pumps, swimming pool pumps and other pumps using three-phase/single-phase asynchronous motors;
- Advanced MPPT algorithm, fast response, good stability and maximum 99% MPPT efficiency;
- Maximum 97% conversion efficiency;
- Power levels range from 0.75kW to 110kW and customized services for higher power levels;

Stable and Reliable

- Fully automatic operation, the inverter drives the pump to work from sunrise to sunset, without manual operation after installation;
- Full protections including overvoltage protection, overcurrent protection and overheat automatic frequency reduction protection to extend product life effectively;
- Full motor protections, optional water level switch to prevent overflow and dry running;

Flexible and Easy-to-use

- Optional boost module for low power models ($\leq 2.2\text{kW}$) to achieve normal operation under minimum 150V input so as to solve the difficulty of solar modules configuration for low power models and reduce the overall system cost;
- Optional high protection grade control box for 37kW and below models to satisfy the requirement of outdoor installation;
- Optional power supply automatic switching function, switching to solar power or grid/diesel power supply automatically according to solar radiation conditions, which satisfies all-weather 24hours unattended water supply demand;
- Optional DM-BR Data Monitor, remotely monitoring system operation status with mobile APP or web pages at anytime and anywhere;

Solartech PK Series Solar Pumping Inverter Specifications

Model	Adaptable Pump Motor		Recommended MPP Voltage (V)	Max. DC Input Voltage	Rated AC Input Current (A)	Rated AC Output Current (A)	Rated Output Frequency (Hz)	Net Weight (kg)	Gross Weight (kg)	Packing Size(mm)		
	Rated Voltage	Rated Power (kW)								Length	Width	Height
PK750L	3PH 220~240V	0.75	310-360	440	7.2	4.5	0-50/60	1.7	2	238	180	216
PK1500L	3PH 220~240V	1.5	310-360	440	14	7	0-50/60	1.7	2	238	180	216
PK2200L	3PH 220~240V	2.2	310-360	440	23	10	0-50/60	1.7	2	238	180	216
PK4000L	3PH 220~240V	4	310-360	440	20	16	0-50/60	4.6	5.4	365	245	290
PK5500L	3PH 220~240V	5.5	310-360	440	30	20	0-50/60	4.6	5.4	365	245	290
PK750H	3PH 380~440V	0.75	500-600	780	3.4	2.5	0-50/60	1.7	2	238	180	216
PK1500H	3PH 380~440V	1.5	500-600	780	5	3.7	0-50/60	1.7	2	238	180	216
PK2200H	3PH 380~440V	2.2	500-600	780	5.8	5.3	0-50/60	1.7	2	238	180	216
PK4000H	3PH 380~440V	4	500-600	780	12	9.5	0-50/60	2.7	3.5	310	220	260
PK5500H	3PH 380~440V	5.5	500-600	780	17.5	14	0-50/60	2.7	3.5	310	220	260
PK7500H	3PH 380~440V	7.5	500-600	780	22.5	17.5	0-50/60	4.6	5.4	365	245	290
PK11KH	3PH 380~440V	11	500-600	780	30	25	0-50/60	4.6	5.4	365	245	290
PK15KH	3PH 380~440V	15	500-600	780	39	32	0-50/60	8.8	11	490	300	300
PK18KH	3PH 380~440V	18.5	500-600	780	45	37	0-50/60	8.8	11	490	300	300
PK22KH	3PH 380~440V	22	500-600	780	54	45	0-50/60	10.8	12	490	300	300
PK30KH	3PH 380~440V	30	500-600	780	68	60	0-50/60	19	21	545	328	338
PK37KH	3PH 380~440V	37	500-600	780	84	75	0-50/60	19	21	545	328	338
PK45KH	3PH 380~440V	45	500-600	780	98	92	0-50/60	27.2	37	695	393	462
PK55KH	3PH 380~440V	55	500-600	780	123	115	0-50/60	27.2	37	695	393	462
PK75KH	3PH 380~440V	75	500-600	780	157	150	0-50/60	41.5	53	760	425	528
PK90KH	3PH 380~440V	90	500-600	780	188	180	0-50/60	41.8	53	760	425	528
PK110KH	3PH 380~440V	110	500-600	780	221	215	0-50/60	41.8	53	760	425	528