

# SOLAR PUMPING INVERTER FOR AC PUMP

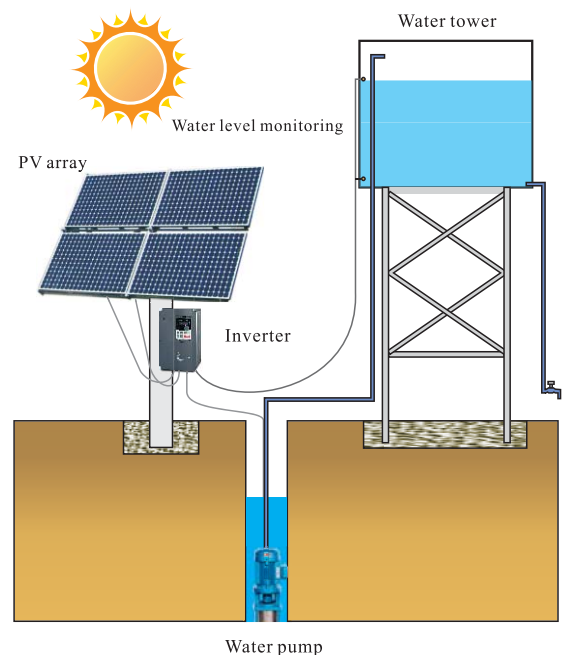


## Professional Design Enjoy Sunshine

The PROPD AC solar pumping inverter is a variable speed motor driver designed to run any IEC three-phase asynchronous motor. The inverter provides current boosting combined with true Maximum Power Point Tracking (MPPT) of the solar modules. In cloudy weather, the controller can be switched to an alternate single-phase or three-phase AC input from grid, generator or inverter from battery, if available. The inverter is entirely self-configuring with functions of fault detection, motor soft start, and speed control and it requires no setup or adjustment by the user to ensure proper operation.

## FEATURES

- Self-adaptive MPPT technology to maximize power output.
- Dry running mode monitoring treatment.
- Tank water level control
- DC and AC power inputs with manually-switching to generator back-up.
- LED display for indicating real-time system status.
- Remote monitoring capability through a RS-485 interface.
- Soft start feature prevents water hammer and increases system life.
- Simple installation and no required maintenance.
- Build-in diagnostics and protection.
- Plug-and-play system design.
- Embedded pump functions.
- Optional IP65 Control Box.



**PROJOY**

Inverter Model	PROPD-4T4000	PROPD-4T5500	PROPD-4T7500	PROPD-4T11K	PROPD-4T15K	ROPD-4T18.5K	PROPD-4T22K	PROPD-4T30K	PROPD-4T37K	PROPD-4T45K	PROPD-4T55K	PROPD-4T75K	PROPD-4T93K
<b>Input Data</b>													
<b>PV Source</b>													
Max Input Voltage	750V						750V						
Min Input Voltage	350V						350V						
Recommended MPPT Range	450V-610V						450V-610V						
Max Amps Input	9.4A	13.5A	17.7A	26.0A	33.3A	38.5A	46.9A	62.5A	78.1A	94.7A	116.6A	156.2A	183.2A
<b>Alternate AC Generator</b>													
Input voltage	380/400/415V AC(±15%), 3PH						380/400/415 AC(±15%), 3PH						
Max Amps(RMS)	10A	14.6A	20A	26A	35A	38A	46A	62A	76A	90A	110A	140A	180A
Power and VA capability	5.9kW	8.9kW	11kW	17kW	21kW	24kW	30kW	40kW	50kW	59.2kW	72.4kW	92kW	134kW
<b>Output Data</b>													
Output Power, rated	4.0kW	5.5kW	7.5kW	11kW	15kW	18.5kW	22kW	30kW	37kW	45kW	55kW	75kW	93kW
Output Voltage, rated	380/400/415/440V AC, 3PH						380/400/415V AC, 3PH						
Max Amps(RMS)	9.0A	13A	17A	25A	32A	37A	45A	60A	75A	90A	112A/105A	150A	176A
Output Frequency	0-50Hz/60Hz						0-50Hz/60Hz						
<b>Protection</b>													
Surge Protection							Integrated						
Overvoltage Protection							Integrated						
Undervoltage Protection							Integrated						
Locked Pump Protection							Integrated						
Open Circuit Protection							Integrated						
Short Circuit Protection							No						
Overheated Protection							Integrated						
Dry Run Protection							Integrated						
<b>Communication</b>													
MODBUS Communication Card	Optional, RS-485 isolated												
<b>General Data</b>													
Ambient Temperature Range	-10°C-40°C (>40°C, Derating as required)												
Cooling Method	Fan Cooling												
Ambient Humidity	≤ 95%												
Dimensions(H*W*D)(MM)	220*150*182	285*180*200	360*220*225	435*275*258	480*296*262	660*364*295	710*453*295						
Gross Weight	3.7kg	5.9kg	10kg	19.6kg	27kg	50kg	68kg						
Standard Warranty	24 months												
Certificates	IEC/EN 61800-5-1,IEC/EN 61800-2:2004,IEC/EN 61800-3:2004,CE												
Inverter Max. Efficiency	97%												
IP	IP20												

