

SOLAR PUMPING INVERTER FOR AC PUMP



Professional Design Enjoy Sunshine

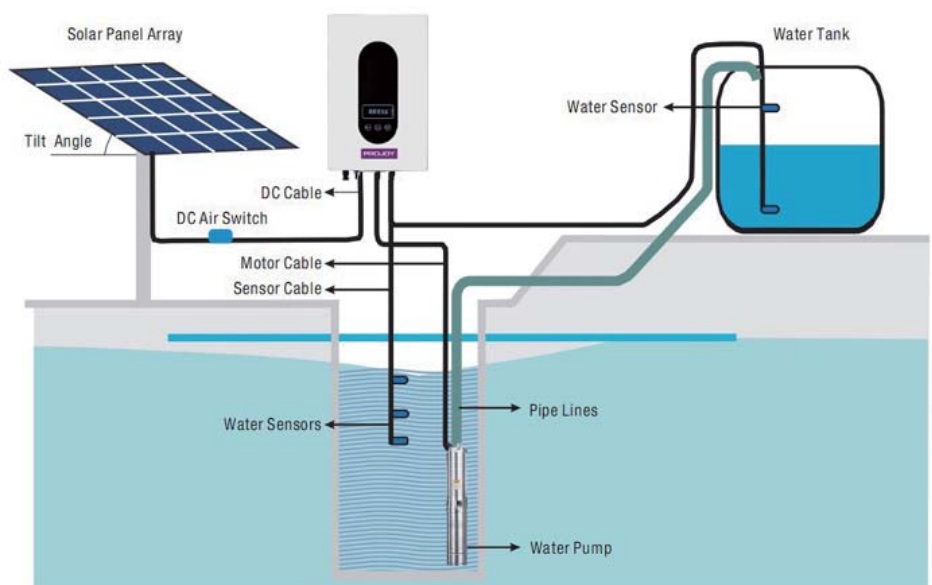
The PROJAY AC solar pumping inverter is a variable speed motor driver designed to run centrifugal pump, axial-flow pump, mixed-flow pump and deep-well pump. The controller provides ground water for daily use in agricultural irrigation, forestry irrigation, desert control, pasture animal husbandry, water supply for islands, waste water treatment engineering, and other water supply applications.

FEATURES

- Compatible with 3-phase or single phase induction Water Pump Motor;
- High conversion efficiency (99.8%);
- Installed outside, no water-proof box needed;
- Protection degree IP65;
- Full automatic operation;
- Soft start and variable-frequency function.

PROTECTION

- ☀ Perfect output over-current protection
- ☀ Perfect output over-voltage protection
- ☀ Solar Panels low DC input voltage protection
- ☀ Pump motor overload protection
- ☀ Pump inverter overload protection
- ☀ Output phase loss protection (Limited to 3 phase pump inverter)
- ☀ Inverter over-temperature protection
- ☀ Preventing frequent start protection during weak sun rays
- ☀ Lightning protection
- ☀ Water level detection



PROJAY

| Inverter Model | PROPD-2P750-S | PROPD-2P1000-S | PROPD-2P1500-S | PROPD-2P2200-S | PROPD-2P4000-S | PROPD-2P750 | PROPD-2P1500 | PROPD-2P2200 | PROPD-2P4000 | PROPD-4P750 | PROPD-4P1500 | PROPD-4P2200 | PROPD-4P4000 | PROPD-4P5500 | |
|-------------------------------|---|----------------|----------------|----------------|----------------|--------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|--|
| Input Data | | | | | | | | | | | | | | | |
| PV Source | | | | | | | | | | | | | | | |
| Max Input Voltage | 500V | | | | | 500V | | | | | 750V | | | | |
| Min Input Voltage | 280V | | | | | 280V | | | | | 480V | | | | |
| Recommended MPPT Range | 280V~450V | | | | | 280V~450V | | | | | 480V~600V | | | | |
| Max Amps Input | 11A | 11A | 13A | 13A | 20A | 6.0A | 9.0A | 13A | 20A | 4.0A | 5.0A | 7.0A | 12A | 17A | |
| Alternate AC Generator | | | | | | | | | | | | | | | |
| Input voltage | NA | | | | | | | | | | | | | | |
| Max Amps(RMS) | NA | | | | | | | | | | | | | | |
| Power and VA capability | NA | | | | | | | | | | | | | | |
| Output Data | | | | | | | | | | | | | | | |
| Output Power, rated | 0.75kW | 1kW | 1.5kW | 2.2kW | 4kW | 0.75kW | 1.5kW | 2.2kW | 4kW | 0.75kW | 1.5kW | 2.2kW | 4kW | 5.5kW | |
| Output Voltage, rated | 220V AC, 1 PH | | | | | 220V AC, 3PH | | | | | 380V AC, 3PH | | | | |
| Max Amps(RMS) | 7.0A | 9.0A | 14A | 16A | 23A | 4.5A | 7.0A | 10A | 16A | 2.5A | 3.7A | 5.0A | 9.0A | 13A | |
| Output Frequency | 0~50/60 Hz | | | | | | | | | | | | | | |
| Protection | | | | | | | | | | | | | | | |
| Surge Protection | Integrated | | | | | | | | | | | | | | |
| Overvoltage Protection | Integrated | | | | | | | | | | | | | | |
| Undervoltage Protection | Integrated | | | | | | | | | | | | | | |
| Locked Pump Protection | Integrated | | | | | | | | | | | | | | |
| Open Circuit Protection | Integrated | | | | | | | | | | | | | | |
| Short Circuit Protection | Integrated | | | | | | | | | | | | | | |
| Overheated Protection | Integrated | | | | | | | | | | | | | | |
| Dry Run Protection | Integrated | | | | | | | | | | | | | | |
| Communication | | | | | | | | | | | | | | | |
| MODBUS Communication Card | RS485 | | | | | | | | | | | | | | |
| General Data | | | | | | | | | | | | | | | |
| Ambient Temperature Range | -10℃~60℃ | | | | | | | | | | | | | | |
| Cooling Method | Heatsink | | | | | | | | | | | | | | |
| Ambient Humidity | ≤ 95% | | | | | | | | | | | | | | |
| Dimensions(H*W*D)(MM) | 540*360*290 | | | | | | | | | | | | | | |
| Gross Weight | 12.45kg | | | | | | | | | | | | | | |
| 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 | IP65 | | | | | | | | | | | | | | |

