Equipment and solutions

Solar Water Pumping Systems

Product technical datasheet

Solar-powered water pumping systems for sustainable supply.

FT-P028 · Rev. 1



Solar Water Pumping Systems are a sustainable, economical and reliable alternative for water supply. Using solar energy as the primary power source, they offer reduced operating costs, energy independence and automatic, quiet operation with minimal maintenance.

Applications

- Water supply in remote or isolated areas
- Agricultural irrigation systems with solar energy
- Water extraction from boreholes, wells, rivers, or reservoirs
- Pumping systems where energy cost reduction is desired
- Installations requiring low environmental impact and reduced maintenance
- Combined use with alternative energy sources (generators, power grid)

Operating conditions

- Confirm the installation conditions, power supply and duty point before commissioning.

Engineering note	Confirm the installation conditions, power supply and duty point before commissioning.
Complementary equipment	Contact JOVAL for compatible accessories and equipment.
Resources and support	Pump selection guide · JOVAL technical support
Contact	+351 253 490 740 · joval@joval.pt

Technical specifications

Economy

Significant savings with stable costs

Autonomy

Energy independence

Reliability

High reliability and long service life

Operation

Silent and automatic operation

Maintenance

Minimum maintenance

Installation

Easy to install and start up

Control

Start by PV panel voltage and wait time

Stop

Selectable by frequency or power

Safety

Dry well detection function

Compatibility

Asynchronous and permanent magnet motors

Efficiency

Low consumption (optimizes working point)

Protection

Irradiance variation and tank level detection

Power Supply

Hybrid (solar + grid/generator)

Construction

IP65 enclosure and aluminum chassis (passive dissipation)

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