

LOWARA - SOLAR PLEXUS SOLAR PV APPLICATIONS

- Irrigation
- Crops, Fruits, Grain and Vegetables
- Animal Aquaculture
- Turkey, Poultry and Egg Production
- Swimming Pools
- Commercial and Domestic Water
- Livestock
- Greenhouse Nursery & Floriculture
- Dairy Cattle and Milk Production
- Fish Farms
- Pond Management

SUPPLY

- Rural Drinking Water Supply
- Golf Courses
- Water Resale
- Fire fighting

BENEFITS & FEATURES

- Reliable and highly efficient technology that extends pump life
- Low total cost of ownership
- Rapid return on investment
- Highly efficient conversion ratio at 98%, advanced IGBT
- Upto 18.85% solar PV module efficiency-highest in the industry with service life greater than 25 years
- Fast installation with minimal ongoing maintenance
- Indispensable during power cuts
- Choice of bespoke or 'ready-to-go' complete PV Kits from 3kW to 37kW (higher on demand)
- Flexible flow rate solutions - 5 cubic meters/hour to 550 cubic meters/hour
- Maximum head of 700m
- Off-grid inverter independent systems
- Switchable from solar PV to mains during evenings and cloudy days
- Water canned motors for contamination avoidance
- No more expensive diesel powered pumping
- Salt & ammonia resistant solar modules
- Smart controller with built in Maximum Power Point Tracking
- Large LCD controller display
- With protections
- Green, sustainable and environmentally friendly
- Beat the rising diesel and utility costs.
- Comprehensive world-wide support & warranties



PRODUCT HIGHLIGHTS

● Compatible with all Lowara motors. Outstanding motor driving performance: accurate parametric autotuning of motor, advanced open-loop vector control 0.25Hz/150% starting torque, 1:200 speed ratio.

- Frequency, current and speed control
- Rigid insulated construction
- Feature rich hardware configuration:
 - C3 EMI filter
 - Braking unit standard feature up to 30kW
 - LCD display & Data logging
 - DC input with Maximum Power Point Tracking
 - Wide input voltage and current range
 - Multiple braking modes

- Communications ports options such as MODBUS, PROFIBUS, CAN and Ethernet
- Product design strictly adheres to IEC international standards, CE and TUV-SUD approved.



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