

# BOOSTER DC SOLAR

## SQB Solar Booster Pump for Manual and Automatic operation



The SQB peripheral vane solar booster pump is equipped with a permanent magnet, brushless motor that allows for efficient energy usage. It features the latest solar pump technology for a sustainable water supply. These pumps are used for pressure boosting and water transfer of drinking water and small irrigation systems. Suitable for applications where there is no electricity or for cost saving in power consumption.

### Product Feature:

- Permanent magnet, brushless motor, saving energy and offering maximum efficiency.
- NSK bearings with ceramic mechanical seal.
- Intelligent dry run protection.
- MPPT function offers higher utilization rate of solar energy.
- Water proof and leak proof due to double water seal.
- Soft start protection.
- Over/under current protection.
- Variable speed control
- Max Flow: 2000L/h
- Max Head: 30m
- Discharge 25mm
- Power ` 250watt
- Voltage DC24

### Working Conditions:

- Max pumped liquid temperature: 35°C
- PH capability: 6.5 - 8.5
- Max control box ambient temperature: 50°C

### Operation Modes:

Manual:

- 1) Always On during daylight hours
- 2) Always On with connection of a regulator and series connected 12V deep cycle batteries.

Automatic:

Option 1 or 2 of manual operation with addition of pressure activated switch.

For more information see wiring diagram on page 5 & 6.

### Technical Summary:

MODEL	DC MOTOR VOLTAGE (V)	MAX INPUT DC V.O.C (V)	MAX INPUT AMPERAGE	POWER (WATT)	MAX FLOW (m <sup>3</sup> /h)	MAX HEAD (m)	OUTLET (INCH)	CABLE SIZE
SQB250-30/2A	24	48	17	250	2	30	1"	3 Core 2.5mm <sup>2</sup>