

GRUNDFOS SQFlex SOLAR SUBMERSIBLE PUMPS

Best technology in the world and adaptable to any power input

The new Grundfos SQ flex pump series features high efficiency and total power adaptability. From one of the most experienced, highest – quality Danish engineering pump manufacturers in the world, the submersible SQFlex series features a single motor that can be fitted with seven different pump heads, depending on your pumping requirements.

The motor will happily accept any DC voltage from 30 to 300 volts or any AC voltage from 90 to 260 volts, 50 or 60 Hz, just flip a switch on the control box to go from DC to AC or back. This makes the SQFlex pump extremely easy to back up with a generator or utility power.

When running on DC the SQFlex features electronic Maximum Power Point Tracking (MPPT) to get the best possible performance from your solar array. A low–water sensor is included and pre-wired to the pump input cable. Low–water shut–off and restart are automatic.

With a maximum of 900 Watts input, the SQFlex motor offers performance equivalent to a conventional $\frac{3}{4}$ to 1 HP AC pump. The three larger pump heads are the new highly efficient **helical rotor** types. The four higher volume pump heads are centrifugal types. Maximum head is 120 m.

Typical outputs (with a 900 W_p solar array at 5.5 kWh/m²/day):

- At 30 m head – 20,000 lpd (liters per day)
- At 50 m head – 14,800 lpd
- At 70 m head – 9,500 lpd
- At 120 m head – 6,100 lpd



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