



SUN-BUDDY™



GET SUN-BUDDY BE WATER WISE

A GREENER WAY TO GREEN YOUR PROPERTY



SUN-BUDDY™ Solar powered,
submersible water pumping system

NOV Mono

One Company, Unlimited Solutions

Reliable, cost effective and sustainable water movement...

Can be a challenge, whether you're farming on a small scale or enjoying a rural lifestyle property.

SUN-BUDDY™, a new release from NOV Mono, is a solar powered submersible pump system manufactured in Australia, that will help you to manage water movement with minimal impact on your wallet, lifestyle and environment.

SUN-BUDDY™ can pump water from bores, rivers, springs, tanks or dams and is ideal for small scale irrigation, stock watering, watering gardens and general household use.

Renewable energy, not renewable costs

SUN-BUDDY™ holds technology previously only available to large-scale agriculture.

Mono's expertise has delivered a small but powerful pump with efficient and variable pump flow, superior design and set-and-forget operation – all with no reliance on diesel, electricity, wind speed or even batteries.

SUN-BUDDY™ gives you access to the highest quality and performance standards of Mono™, while remaining extremely cost competitive.

Long life, minimal maintenance

SUN-BUDDY™ installation is quick and easy – you won't even need an electrician. Set-and-forget operation also means that maintenance time and costs are low.

SUN-BUDDY™ is designed to thrive in the world's harshest and most remote conditions. It can be installed in almost any terrain with access to sunlight, no matter how remote.

The SUN-BUDDY™ brushless, DC submersible motor is purpose built for solar pumps. Its robust design incorporates thermal overload protection via the controller and it can withstand the toughest of conditions. Your water supply won't be compromised if you are away from the property, giving you time to focus on more important priorities.

Performance for 195W system

Head (m)	5	10	15	20	25	30	35
Flow (m³)	18	14	11	9	7	5	3

Daily average flow rate in m³/day based on 6.5 kWh/m² per day solar radiation.

Key benefits

- ◆ Safe, reliable and easy to install
- ◆ Environmentally-friendly, no carbon emissions
- ◆ Excellent value for money
- ◆ No electricity or diesel costs
- ◆ Efficient pump flow and pressure
- ◆ Set-and-forget operation
- ◆ Plug and play control feature
- ◆ Local support available
- ◆ Low maintenance
- ◆ Post and roof mount solar panel option
- ◆ Float option for pump

Technical specifications

The system fits 100mm+ boreholes (4" +) and can be easily automated using a float switch. The solar array has a fixed 195 Watt output and is designed to withstand 140km per hour winds*.

SOLAR MOTOR CONTROLLER (SMC)

- ◆ Solar maximum power point tracker (MPPT) and brushless DC motor control electronics are combined in the one enclosure.
- ◆ MPPT adjusts the voltage output of the solar array to maximise power generation and increases or decreases voltage to suit the demands of the pump.
- ◆ Variable speed control for easy regulation of pump flow – ideal for low yield bores.

BRUSHLESS, DC SUBMERSIBLE MOTOR

- ◆ High torque, high efficiency, brushless and sensor-less, DC submersible motor for coupling to the submersible pump. Without brushes to wear out, no on-going maintenance is required.
- ◆ Built with 316 stainless steel, fully sealed and filled with environmentally-friendly oil.

PUMP WET END

- ◆ Helical rotor pump element provides maximum water output even when the water contains silt or iron oxide. Low pump speed means extended rotor and stator life in abrasive bores.
- ◆ High operating efficiency of pump and SMC ensures maximum amount of water can be pumped over whole day and during cloudy conditions.

* When securely installed with appropriate concreting.



Contact your local Mono™ dealer

What's right for you?

Mono™ has supplied thousands of pumping systems into over 25 countries worldwide and is guaranteed to have the right solution for you.



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