

## Features

- Non-corroding pump components
- Light sensitive sun tracker
- Plug in electronic components
- Power maximiser
- Low tech product
- Key operating parts located one metre above ground
- 20 year Warranty on solar panels
- 2 Year System Warranty
- Automated operation
- Demountable solar array
- "Off the shelf" nitrile seals
- Hollow PVC rod on bore pump

## Benefits

- Long life, and tolerant of brackish water
- Optimises solar energy by tracking sunlight in all light conditions
- No electrical expertise is required
- Increases water output (by up to 60 per cent when combined with a tracker)
- Easy to operate and trouble shoot Requires minimal maintenance Replacement parts are inexpensive Maintenance costs are low
- No risk of damage from water Easy to access for inspection and maintenance Safe to work on
- Major investment protected
- Peace of mind
- Reduced supervision
- Can be removed for safe storage when required
- Cheap and readily available
- Light and easy to pull when seal needs replacement



## Reliability & Simplicity

The Solar Mill pump addresses the fact people in remote areas not only need a dependable pump, but one that is easily maintained on site, where technical support is not always close at hand. The Solar Mill has been designed deliberately as a low-tech product, which means it is easy to operate and requires very little attention. Occasionally the seals need to be checked, and someone needs to give the stuffing box a few squirts of grease. The great thing is that most system components are at ground level where they are easy to get at.

Best of all, replacement parts are inexpensive, so once you've purchased your system, there is little to worry about later. There is no need to become an electronics expert either - the system's electrical components are simple "plug in" units, easily removed for checking, and requiring little in the way of electrical know how.

Accessories include pressure and float switches to turn pumps on and off so you can automate your water delivery system and concentrate on the more profitable areas of your business.




# Solar Mill

Quality Solar Pumps

Find the System that's Right for You

**Flow Chart Guide for the 2 and 3 inch Solar Mill Solar Pump**  
Flows are stated in Litres per day from data logged in Perth, Western Australia.  
Flows will vary depending on location.



| Sun Mill System        | Tall Pump Drive |         |       |         |       |         |        |         |       |         |                         |         |                               |         |                  |         |
|------------------------|-----------------|---------|-------|---------|-------|---------|--------|---------|-------|---------|-------------------------|---------|-------------------------------|---------|------------------|---------|
|                        | 125w            |         | 175w  |         | 250w  |         | 350w   |         | 500w  |         | 700w                    |         | 500w (3 inch)                 |         | 700w (3 inch)    |         |
| Total Dynamic Head (m) | Fixed           | Tracked | Fixed | Tracked | Fixed | Tracked | Fixed  | Tracked | Fixed | Tracked | Fixed                   | Tracked | Fixed                         | Tracked | Fixed            | Tracked |
| 10                     | 5800            | 8250    | 7500  | 10750   | 12600 | 18000   | 12600  | 18000   | 14000 | 20000   | Use 500w 3inch Sun Mill |         | 25970                         | 37100   | 28280            | 40400   |
| 15                     | 5200            | 7400    | 6740  | 9625    | 11130 | 15900   | 11830  | 16900   | 14000 | 20000   | Use 500w 3inch Sun Mill |         | 20300                         | 29000   | 27755            | 39650   |
| 20                     | 4600            | 6550    | 5950  | 8500    | 8780  | 12550   | 11025  | 15750   | 14000 | 20000   | 15750                   | 22500   | Use 700w 2 or 3 inch pump     |         | 27335            | 39050   |
| 25                     | 3700            | 5300    | 4795  | 6850    | 7350  | 10500   | 10500  | 15000   | 13400 | 19150   | 15260                   | 21800   | Use 700w 2 or 3 inch pump     |         | 24185            | 34550   |
| 30                     | 2850            | 4100    | 3640  | 5200    | 6160  | 8800    | 9975   | 14250   | 12700 | 18125   | 14525                   | 20750   | Use 700w 2 or 3 inch pump     |         | 21245            | 30350   |
| 35                     |                 |         | 3395  | 4850    | 5670  | 8100    | 9520   | 13600   | 12500 | 17825   | 14315                   | 20450   | Use 700w 2 or 3 inch pump     |         | 18620            | 26600   |
| 40                     |                 |         | 3150  | 4500    | 5390  | 7700    | 9240   | 13200   | 12250 | 17675   | 14245                   | 20350   | Use 700w 2 or 3 inch pump     |         | 16030            | 22900   |
| 45                     |                 |         | 2800  | 4000    | 5250  | 7500    | 8960   | 12800   | 12000 | 17400   | 14000                   | 20000   | Use Alternate Sun Mill System |         |                  |         |
| 50                     |                 |         | 2450  | 3500    | 4900  | 7000    | 8750   | 12500   | 11935 | 17050   | 13720                   | 19600   | Use Alternate Sun Mill System |         | Bore model only: |         |
| 55                     |                 |         |       |         |       |         | 8400   | 12000   | 11690 | 16700   | 13545                   | 19350   | Use Alternate Sun Mill System |         | Max TDH 30m      |         |
| 60                     |                 |         |       |         |       |         |        |         | 10360 | 14800   | 11900                   | 17000   | Use Alternate Sun Mill System |         | Max Downhole 20m |         |
| Motor                  | 30V             |         | 30V   |         | 30V   |         | 30/60V |         | 60V   |         | 60V                     |         | 60V                           |         | 60V              |         |

Available as either Bore or Transfer pump

|                     |                  |
|---------------------|------------------|
| Fixed Array Flows   | 6 Peak Sun Hours |
| Tracked Array Flows | 6 Peak Sun Hours |

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For more information, visit our website at: [www.solarmill.com.au](http://www.solarmill.com.au) or contact us at [enquiry@solarmill.com.au](mailto:enquiry@solarmill.com.au)