



Model MS2000a

MagniSun solar tracker is a twin-axis tracker. It automatically tracks the sun from east to west and adjusts to the sun's elevation through the day (and all seasons) using logic controller software. Its robust, galvanised frame is certified to withstand winds up to 150km/h and provides a minimum of 40% efficiency increase compared to fixed panels. MagniSun is an Award winning design – winner of the “2014 Bendigo Innovation Award”.

Trackers can be used and are compatible with batteries, water movement, desalination, grid or off-grid, hybrid solar installations. Simple installation using easy to follow instructions.



MS2000

BENEFITS

- Autonomous operation with built in batteries for tracking operation.
- Robust logic software built on Siemens LOGO!TM
- Engineering certification to AS1170. Designed to withstand winds up to 150km/h. (based on philosophy and principles set out in ISO 2394: 1998, General principles on reliability for structures.)

FEATURES

Construction

- Galvanised construction.
- Simple installation.
- Low maintenance.
- Supports up to 8 PV panels of approx dimensions 1600h x 1000w mm each

Operation

- Tracking logic built on Siemens LOGO! using built in Solar clock
- Polyurethane rollers for east-west travel using SPG™ geared motor.
- Automatically returns to east orientation at sunset each day.
- Adjusts for sun elevation depending on season.
- Legs length – 1000mm
- Holding down bolts – 16mm screwed rods in concrete or equivalent chemical anchors
- Built in power supply and batteries.
- Actuator and traverse motor – 24VDC

Installation

- 3x concrete footings, 450mm dia by;
 - 600mm deep for tightly packed clay soils,
 - 800mm deep for loose soils,
 - 1000mm deep for sandy soils.

NOTE: a soil test is recommended to establish footings size prior to installation

- 2x 16mm fixing bolts set in concrete for each leg
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NOTE: a shadowing study is recommended prior to set out.

Warranty.

5 years on structure. 1 year on electrical components when installed as per instructions.