

# ECOREL Power



MORE VALUE TO ENERGY



## TWO AXIS SOLAR TRACKER

### ET 16000 - ET16000C

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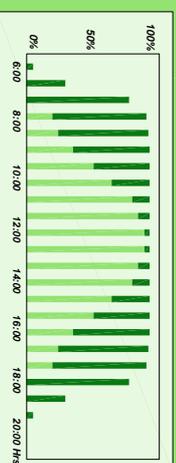


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### ADVANTAGES

#### Higher energy production

delivery more energy respect traditional fixed panels. 2 axis solar trackers delivery up to 40% more energy and reduce greatly the pay back time.



Comparison of energy production between two axis solar tracker and fixed tilt module

#### Reliable and Robust Design

Galvanized, corrosion-resistant steel and low-profile frame provides superior strength. All the elements derive from proven industrial technologies: standard solutions means more reliability and easy maintenance

#### Oleodynamic technology

A new rotation patent technology based on maintenance free Sliding bearings overtake the usual Slew drive to assure an incredible reliability. Lubrication is no more necessary!

#### More resistance to meteorological events

The superior strength steel structure is calculated with last generation FEM programs from senior engineers to resist 156 km/h of wind load with vertical wiring and 120 kg/sqcm with snow load, even in case of meteorological sensor malfunction. Several test were made with Computational Fluidynamic programs in virtual Wind Gallery

#### Fully Scalable

Scales easily from small to largemulti-megawatt installations for all current modules. Each solar tracker is set to work independently from the others, controlled by a PLC for optimal pointing

#### Extremely high tracking precision

two rotational encoders permit to align the sun tracker with very high precision, even with Concentrator PV

#### Patented Single-Axis Design

Innovative rotation system allows wide tracking range angle: Azimuth +/- 120°; Zenith from 30° to 80° to deliver the maximum energy in every sun condition

#### No Panel Shading

Sophisticated backtracking algorithms avoid panel shading while increasing energy production

## TWO AXIS SOLAR TRACKER ET 16000 ET16000C



### ECOREL Power ET 16000: Advanced Technology Solar Tracker

Designed after many years research to satisfy the needs of the most difficult situations, with all parts tested in accelerated aging to guarantee a continuous energy delivery, the ET16000 is the ideal combination of solar technology, reliability and economy of the system.

The function of a solar tracker is to increase the production of photovoltaic panels by electrical and electronic systems that follow the path of the sun, capturing in this way the maximum solar radiation during the longest possible time.

Thanks to their characteristic design, the result of a rigorous search of structural components, photovoltaic and thermal, our machines offer a significant increase in output compared to a fixed tilt installation.

Our goal is to ensure greater freedom and flexibility to your solar park, improving the production to guarantee the success of your investment.

The large surface of the ET16000 will allow you to reduce the extent of land required, will greatly enhance the saving of infrastructure and wiring, with minimal losses for voltage drop, with lower maintenance costs respect to competitor smaller solar tracker.



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