

Make Your Panels Smart

+ 50% Power UP

The ONLY Solar Tracker can give you 50% more power

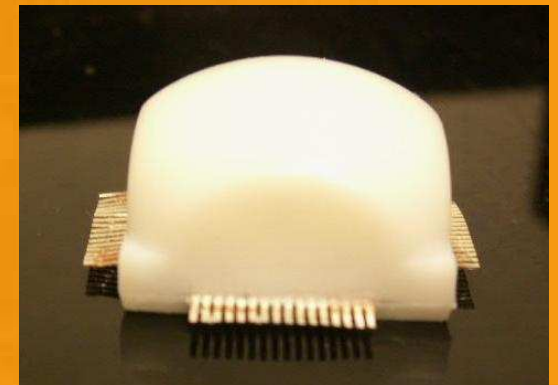
Argus Solar Tracker

Introduction:

- The task of the Argus Solar Tracker is to control the PV panel position to provide the max solar power dynamically during the working time for single and dual-axis system.
- Argus system mainly uses one single IC with fully functional integration to reduce system size and complexity.

Features:

- The smallest size and the most easy-to-use solar tracker
- No location data input is needed, just plug-and-play
- The most affordable tracker with the lowest maintenance cost
- The most efficient tracker system with +50% power output than a fixed system



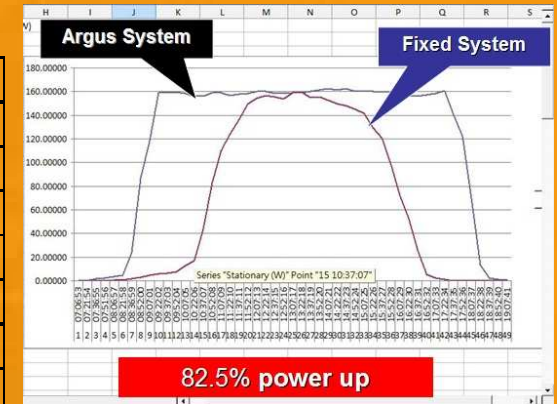
Increase Your Efficiency

Functions:

- Directly using PV panel power or 12V DC battery as power supply
- Micro controller embedded to calculate the max power direction for guiding system
- Providing power for two DC driving motors for X and Y position control continuously and dynamically calculate the position of the max. solar power
- Control and actuate the electric motor(s) to max power position for single or dual axis system
- Tracker is housed in a water resistant and UV protection box

Technical Description:

Tracker IC	Argus Mark II
Tracking technology	Dynamical max power tracking
Dimension	120mm X 63mm X 32mm
Working temperature	From -40 °C to +125 °C
Input voltage	12V ~60V directly from PV Panel or DC battery
Output voltage	12V
Output current	(Max) 3A
Power consumption	Within 2W per day
Warranty	5 years



Data collection on March 17th 2010
in Milpitas CA, USA

Just plug-in a connector, then it plays

Extend your Flexibility

- 50% Cost Down

The ONLY mounting can save you 50% more cost

Argus Mounting System (M-500 Model)

Introduction:

- The task of the Argus mounting system is a dual-axis system and guided by the Argus solar tracker to control the PV panel position toward the max solar power direction

Features:

- The smallest size and the most easy-to-setup mounting system
- The most easy-to-carry mounting system
- The most affordable cost in mounting system
- The only one with seamless design to integrate motors inside frame to protect the lifetime of motors
- No adverse geological limitation for system setup
- Create the system portability to bring your system anywhere



Create Your Portability

Functions:

- Guiding PV panel system toward the max solar power direction
- Generating +50% of power than a fixed system with Argus solar tracker
- Creating system portability and easy-to-carry

Technical Description:

Tracking Axis	Dual-axis (horizontal and Vertical)
Tracking technology	Argus tracker (dynamical max power tracking)
Material of mounting	Aluminum
Net weight without modules	10 kg (including two DC motors)
Max carry weight	60 kg
Dimension	40.5cmX14.5cmX45cm
Max module surface	4m ²
Max power	500W (250W PV panel X 2)
Vertical angle of rotation	-85° to 0° (assume horizontal is 0°)
Horizontal angle of rotation	0° to 360°
Rotation actuation	Patented gear and toothed crown wheel
Voltage/Power of motors	12V/10W X 2
System open current/voltage	600mA/9.6V
System working current	25 mA
Tracking velocity	0.5 RPM
Wing protection	Max 75 mil/hr (120 km/hr) programmable to horizontal position
Warranty	2 years on DC motors; 5 years on mechanical failure

