

# HORIZONTAL SINGLE AXIS TRACKER



## TRACKER SPECIFICATIONS

Tracking Type	Linked horizontal single axis tracking
Nominal DC Power of Tracker	250-270KWp ( recommended )
Drive Type	Slewing gear
Motors per Tracker	2 ( 1 for backup )
Corrosion Protection	Hot-dip galvanized steel, anodized Aluminum
Power Supply	380V / 415V / 480V, 4 wire, 3-phase, 1KW
Daily Energy Consumption	< 1.5kWh
Wind Protection	Stow when wind speed > 64km/h (~40mph)
Module Support	Most commercially available, Including frameless thin wall, Bifacial modules, 72 cells silicon module preferred
Max Stow Time	< 7.1min
Max Working Wind Speed	64km/h (~40mph)
Max Wind Speed	169km/h (~105mph)
Operation Temperature	-30°C (-22°F) to 60°C (140°F)

## ELECTRONIC CONTROLLER SPECIFICATIONS

Tracking Azimuth Angle	-45° ~+45° standard, ±50° available
Control System	MCU
Control Algorithm	Astronomical algorithms + tilt sensor close loop
Tracking Accuracy	< ± 2°
Redundancy Design	Backup control system and backup drive motor
Backup System Switching Type	Automatic switching
Backup System Switching Time	<15s
Backtracking	Yes
Communication Interface	Modbus/RS485
Night Position	Yes

### Example Drawings

## FOUNDATION TOLERANCES

North-South	± 30 mm
East-West	± 30 mm
Height	± 40 mm

\*All specifications subject to change

