

## TRACKER SPECIFICATIONS

Tracking Type	Linked horizontal single axis tracking
Solar Module Supported	Most commercially available, 72 cells silicon module preferred
Nominal DC Power of Tracker	46-51.2 KWp
Drive Type	Slewing drive
Corrosion Protection	Hot-dip galvanized steel
Power Supply	AC220V, 150W
Daily Energy Consumption	< 0.2kWh
Wind Protection	Stow when wind speed > 72km/h (~45mph)
Max Stow Time	< 5min
Max Working Wind Speed	72km/h (~45mph)
Max Wind Speed	144-170km/h (90-105mph) ; configurable to higher wind loads
Operation Temperature	-30°C (-22°F) to 60°C (140°F)

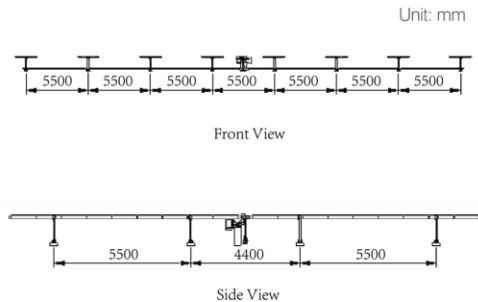
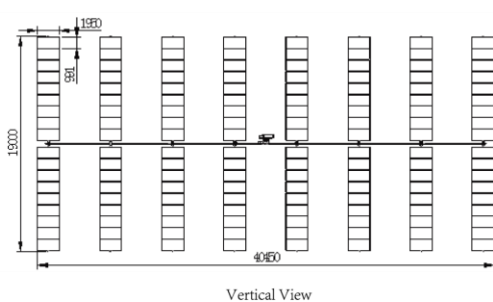
## CONTROLLER SPECIFICATIONS

Tracking Azimuth Angle	45° standard, 50° available
Control System	MCU
Control Algorithm	Astronomical algorithms + tilt sensor close loop
Tracking Accuracy	< ± 2°
Backtracking	Yes
Communication Interface	Modbus/RS485
Night Position	Yes

## FOUNDATION TOLERANCES

North-South	± 30 mm
East-West	Single axis pole: ± 30 mm, different axis pole: ±100mm
Height	One system: single axis pole: ± 30 mm, double axis pole ± 300 mm

### Example Drawings:



\*All specifications subject to change