

DUAL AXIS TRACKER FOR PV



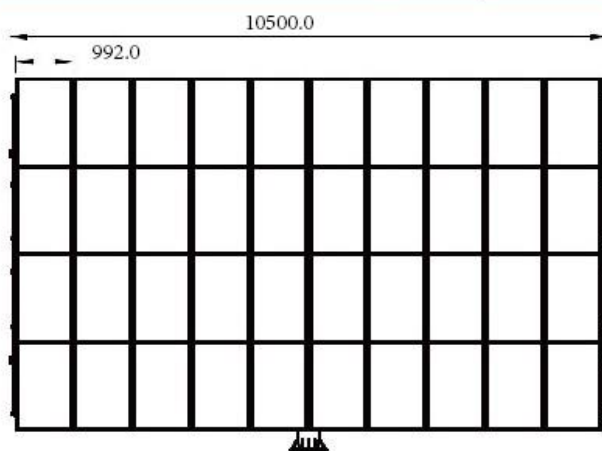
TRACKER SPECIFICATIONS

Type	ATD-01-40-S-S3
Tracking Type	Dual axis tracking
Drive Type	Slewing drive
Solar Module Supported	60 cells silicon module
Number of Solar Module	40
Corrosion Protection	Hot-dip galvanized steel
Power Supply	AC220V, 200W
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	144km/h (~90mph)
Max Snow Load	25kg/m ²
Operation Temperature	-30°C (-22°F) to 60°C (140°F)

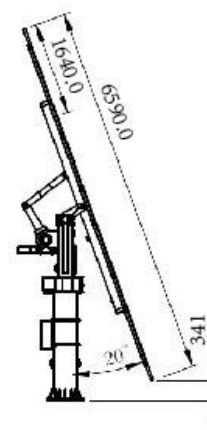
CONTROLLER SPECIFICATIONS

Tracking Azimuth Angle	-120° ~ +120°
Tracking Inclination Angle	0 to 85°
Control System	MCU
Control Algorithm	Astronomical algorithms + tilt sensor close loop
Tracking Accuracy	< ± 2°
Backtracking	Yes
Communication Interface	Modbus/RS485

Example Drawings



Front View



Side View

*All specifications subject to change