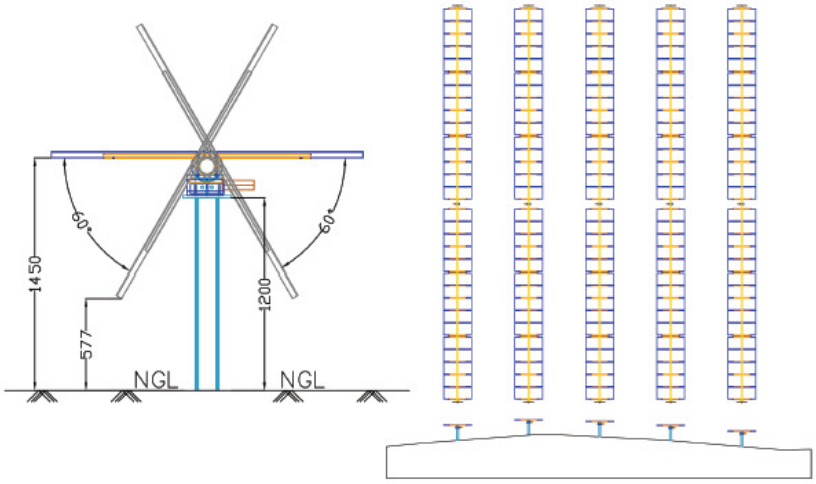
INDEPENDENT HORIZONTAL SINGLE AXIS TRACKING SYSTEM



Each tracker row is driven by a linear actuator or slew drive depending on the option selected. A maximum of 60 modules can be mounted on each row. The sun is tracked from east to west with provision for back tracking to avoid proximal shadow losses. The independent row tracking system facilitates installation on land with undulating topography and is amenable for fitting the maximum possible capacity in land with irregular boundaries. The gain in energy is up to 20% compared to fixed tilt system, thus increasing the project IRR.

Tracker Model	ST-T0- IL-60; ST-T0-IS-60
Version	IL-00; IS-00
Module Assembly Area per row	126 **sq.m.**
Module Assembly Arrangement	Potrait/60 Modules
Module Reference	1956mm*992mm/1650mm*992mm
Nominal DC capacity per Tracker	18.9 KWp
Drive Type	Linear Actuator; Slew Drive
Tracking Accuracy	≤1°
Tilt Angle	0°
Tracking Angle Range	±60°
Max. Operating Wind SPEED	34m/s (120kmph)
Max. Wind speed at Stow Position	44m/s (160kmph)
Working Temperature	-40°C to 60°C
Motor Power	24V,120W (Self Powered)
Material	Hot Dip Galvanized Steel
Controller	PLC
Tracking Principle	NREL USA derived Tracking Algorithm
Communicationn interface	RS485/Wireless
Electronic Control Cabinet	IP65, Weather Proof
Control	Auto
Back Tracking	Yes
Night Reposition Function	Yes

**Above Specifications are subject to change without notice*

SYSTEM ADVANTAGES

Land Topography
Can be installed on undulating land.

Maintenance Free Design
PTFE bearings used are maintenance free and long lasting.

Smart Control
Dedicated controller for each row minimises capacity effected due to any down time.

Fully Scalable
Scales easily from kilowatt to megawatt size installations.

Ground Coverage Ratio & Unblocked Rows
Independent row tracker GCR is higher compared to traditional trackers. Enables ease of movement for O&M.

Site Installation
Simple assembly and rapid installation results in reduction of installation cost and compression of construction schedule.

Self-Powered Controller
The self-powered controller eliminates need for auxiliary power.

Back Tracking
The intelligent back tracking algorithm increases energy output by avoiding proximal shadows.