HORIZONTAL SINGLE AXIS TRACKER

- Automated tracking of daily (E-W) movement of sun, when axis of horizontal tracker is placed along N-S axis
- Yield of solar PV system is increased upto 25%
- From 12 panels to 24 250W panels – custom configuration to suit your PV system
- Tracking angle from -45° to 45°
- Tracking is based on astronomical algorithms and not affected by cloudy or sunny days
- Pole made from hot dipped galvanized steel, other structural elements from anodized aluminum
- Wind gusts of 30m/s
- Concrete or grounding screw foundation
- Overwind protection available
- Remote Monitoring (Optional)

TECHNICAL SPECIFICATIONS:

	NI-HST-20	NI-HST-40
Max Module Area	20 sq. m	40 sq.m
Max No of solar panels	12 panels of 250W	24 panels of 250W
Layout	2x6	2x12
Weight Without Modules	Approx 200 kg	Approx 300kg
Tracking method	Astronomical algorithms	
Tracking Control	Microcontroller	
Tracker Positioning	Linear Actuator	
Tracking Range	-45 to 45 degrees	
Positioning accuracy	0.5 degrees	
Material Specification	Hot dipped galvanized steel pole, with anodized Al rails	
Foundation	Concrete or grounding screw	
Wind Speed Resistance	30m/s	
Power Supply to Motors	24V DC	
Overwind Protection	Programmable	
Remote Monitoring	Optional	
Operating Temperature	-25 to 60 deg C	
Warranty	10 years on mechanical, 2 years on electrical parts including actuators and drives	

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