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## DUAL-AXIS TRACKER

KSI's Dual-Axis Tracking system represents the pinnacle of solar power generation technology. The PV modules are mounted on an elevated platform and follow the Sun's trajectory across both the East-West & North-South axis throughout the day. This cutting-edge system harnesses the power of intelligent software and precise rotational control to maximise solar energy capture.

The **DA\_130**, the latest evolution of Dual-Axis Tracker system, setting new standards in efficiency and reliability. Building upon the success of DA\_60, it incorporates advanced performance in solar energy production, with an extended surface area this tracker offers more than double the production capacity.





COMPONENTS

○ control Unit	Astronomical with RS 485 interface
○ Steel Construction	Hot dip galvanised according to DIN EN 1461
○ Azimuth	Electromechanical Slew Drive
○ Elevation	Electromechanical Slew Drive

PERFORMANCE

○ Capacity of PV Generator	Up to 30 kWp (Depending on panel type)
○ Operating Voltage	48V DC
○ Nominal Power	Max. 240 W
○ Angular Range	320° (Azimuth), 90° (Tilt)
○ Tracking Tolerance	0.1°

PERFORMANCE

○ Power Capacity	30 kWp
○ Number of PVs	42 panels
○ Single Panel Dimensions (w x h)	1300 x 2400 mm
○ Total Panel Surface	131 m <sup>2</sup>
○ Total System Dimensions (Without mast)	14 x 10 m

SAFEGUARD

○ Wind Alert Speed [Stow Position]	≥ 13 m/s
○ Protection	IP 54 / 65
○ Standard Operation Voltage	24/49V
○ UPS System	18 - 150 Ah"

DIMENSIONS

○ Gross Surface Area	up to 140 m <sup>2</sup>
○ Sub-Structure Size	10 m x 13 m
○ Min. Installation Height	1.5 m
○ Weight	approx 2300 kg/5070 lb

ADDITIONAL FEATURES

○ Monitoring	Real Time Documentation
○ Over Current Protection	Yes
○ Motor Torque Control	Yes
○ Remote Control	Yes
○ Warranty	Up to 20 Years

