

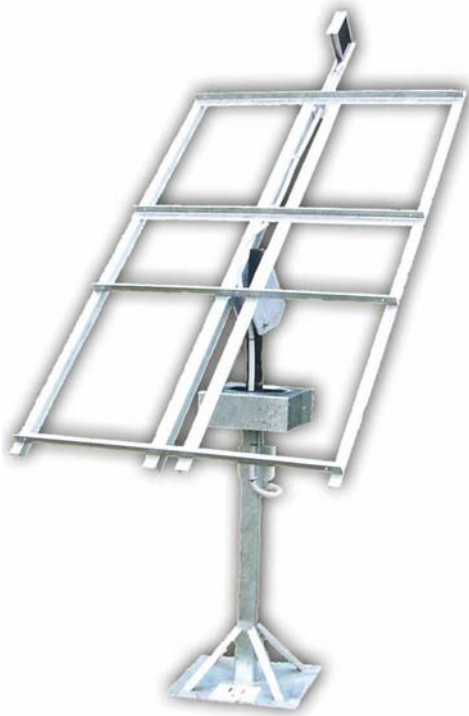


"Maximising Your Investment
In Our Future"

Kalang Solar Trackers 'Harvester'

'Harvester' is the first model of Kalang Solar Trackers mounting systems that utilize the unique electronic system that allows for an unparalleled tracking of the sun. Using the same spectrum of light as PV modules, the harvester has

unparalleled accuracy and reliability in maximising the daily input of a PV array. Custom design allows for 'Harvester' to be used with virtually all PV modules, and strong hot-dip galvanized steel construction provides a robust stable structure.



Cost efficiency. Harvester allows an installation to reduce the number of expensive solar cells, and does not require any further mounting structure

Flexible applications. The custom design of the harvester can be made to suit virtually all PV module shapes and sizes

Large array support. Harvester is designed to accept up 1kW of PV modules. (12m²).

Fully Automatic. The electronic tracking control requires no user input.

Low power consumption. The Harvester uses approximately 1 Amp hour per day

Versatile system voltage. Voltages of 12, 24 and 48* can be used to run the Harvester

Maximum service life. Hot dip galvanised steel structure prevents corrosion and provides strength.

Large tracking range. Up to 180° of azimuth tracking range and 3 elevation settings allows for year round optimal sun collection accuracy.

• 48 Volt by request, may require additional hardware.
Details subject to change without notice
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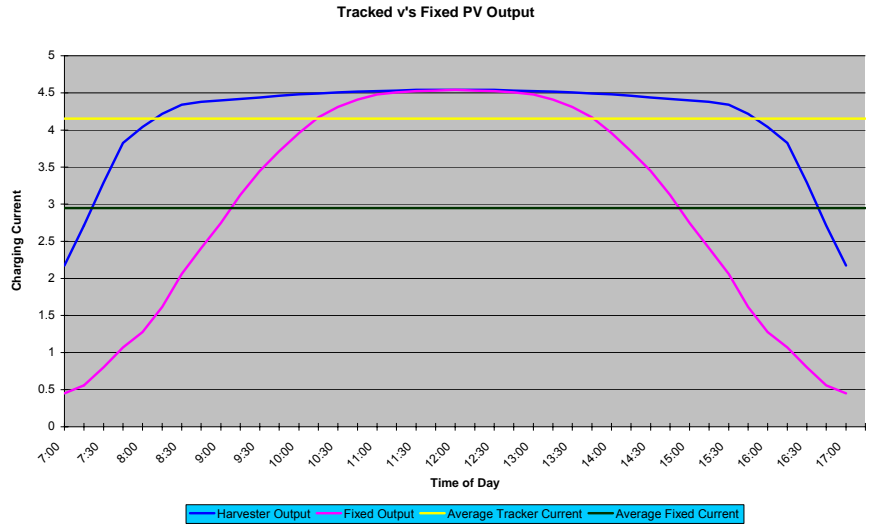


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Overview

Our tests have shown that the Harvester can increase your PV arrays output by over 50% in Autumn/Spring, which Kalang Solar Trackers believes is much closer to 100% in the longer daylight periods of summer.



Electrical Specifications:

Input Voltage Range 8-35 VDC
Input Current 3A Peak, 18mA Nom
Circuit Protection Input over voltage
 Input transient
 Input EMI and EMC
 Input fuse
 Output short circuit
 Over temperature
Alarm Output Optional relay output

Self resetting

3 timer settings for Auto Reset after fault condition East and West individually adjustable

Sensitivity

Typically within 5° on a sunny day

Accuracy

1-99% duty adjustable

Speed/Torque

Manual Movement

Available for maintenance and installation

Mechanical Specifications:

Construction Material Hot-dip galvanised mild steel, Anodised Aluminium
Capacity 1kW array of poly or mono crystalline framed PV modules ≈12 m²
Elevation angle 15°, 32°, 42° and 90°
Azimuth angle Maximum of 180°
Fasteners High tensile mild steel
 Stainless Steel

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