

SUNtruck[®]er

the SUNSET high class tracking system

Function:

SUNtruck[®]er is a high class tracking system with a biaxial adjustment. It follows full automatically the sun, horizontal and vertical, based on a pre-programmed control system. It starts in the morning with the first sun-rays and follows the sun based on the pre-programmed position of the sun and after the sunset it moves back into the start position. The SUNtruck[®]er is designed to operate with very low maintenance.



Control System:

The Control system of the SUNtruck[®]er is based on sun-characteristic-curve of every single installation site. To provide a high degree of accuracy the SUNtruck[®]er does a automatic calibration every day. The SUNtruck[®]er is resistant against power failure, the information and settings remain unaffected. The control system is expandable to operate multiple SUNtruck[®]ers up to big solar-park sizes. An online- function-check could be realized optional.

Installation:

The SUNtruck[®]er is designed to need a minimal logistical and installation effort. This is realised by a modular construction and with weight optimized components. This leads to a very low weight and easy handling of the whole system. You don't need any special tools or trucks for the installation due to this the SUNtruck[®]er can be installed at locations even with hard access (remote areas). The easy installation could be done by only two people and the foundation can be realized either by a terrestrial-screw-anchor-system or by concrete foundations.



Technical standard specifications:

Length: 10m

Height (total): 5m

Width: 4,60m

Elevation: 20-85°

Azimut: > 300°

Drive mechanism: gear motor

Energy use: 15 kWh/a

Weight: 1500kg

Increase annual output: up to 40 %

Those are the standard dimensions, on request, the dimensions in subject to solar module size can be adapted for each project individually.