

# SOLAR POSITIONER NANO A

Solar Positioner NANO A POZSOL34A1DR / 0435



## Solar Positioner NANO A for Dual Axis Tracking

With even better communication, usability and accuracy, the Solar Positioner NANO A set a new Positioning Accuracy Standards. With easy installation, safe operation, a simplified assembly concept, and RS485 plant communication: the new generation of positioners is ideally suited in mid-sized and large stand-alone grids. With the Sigma Server, Solar Positioner NANO A creates complete, integrated system for monitoring, diagnosis and configuration of the PV plant.

### Overview

#### Professional

- Drive and positioning of Dual Axis Solar Trackers
- Integration of Sat Control equipment into existing control-room technology

#### Flexible

- Data interface in accordance with the communication standards in the field of automation technology
- Simple and fast installation, high reliability

#### Reliable

- Direct communication with the Sigma Solar Server via RS485 Service Interface
- Meets the requirements of the EU Medium-Voltage Directive for grid safety management

**SAT CONTROL**  
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## Technical Capabilities

### Operation

Geometrical Operation	Dual Axis Positioner
Type	Slave Positioner

### Communication

Tracker communication	RS485 MODBUS
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### Interfaces

RS485	2 Pin Connector (Grounding Option)
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### Max. number of controlled devices

Solar Tracker	64
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### Max. communication range

RS485	1000 m
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### Power supply

Power supply	External Power Supply
Input voltage	24VDC +/- 10%
Power consumption	Type 4 W / max. 12 W / 0,5 W Stand By

### Environmental conditions in operation

Ambient temperature	-20 °C ... +60 °C
Relative air humidity	0 % ... 45 %, non-condensing

### General data

Dimensions (W / H / D) in mm	110 / 55 / 17
Weight	100 g
Mounting location	Indoors
Mounting options	DIN rail mounting
Status display	LEDs
Hall signals	2 Hall signals per Axis
End switches	2 Switches per Axis (one required, one optional)
Manual buttons	2 (East-West, Reference)
Upgrading	In The Field by RS485 MODBUS

### Languages

Software language	English
Language versions manual	German, English, French, Italian, Spanish; Slovenian

### Features

Warranty	5 years
Certificates and approvals	www.Solar-Motors.com