

GREEN ECONOMY



SUN SYSTEM

PRACTICAL, ECOLOGICAL

- SUN SYSTEM is the perfect solution for installing automated mechanisms in places where there is no source of electricity and without having to spend money on costly construction.

TECHNOLOGY AND EVOLUTION!

The fact that there is a display panel allows operators to monitor several important parameters regarding historical data and statistics at all times

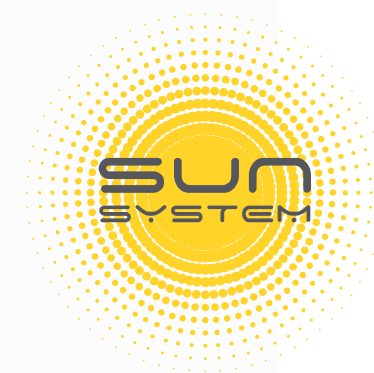
- Instant values on battery and solar panel voltage
- Instant values on the current generated by the solar panel and the batteries
- Number of days the system has been in operation
- Average charging current values of the battery and log of consumption data
- Error messages related to over-current battery issues
- Verification of battery charge status

FLEXIBLE BECAUSE IT IS OPEN!

- It is possible to connect to the control panel up to 3 solar panels
- Batteries of varying capacities (7-50Ah) can also be used.

LOW ENERGY USE = MORE MANOEUVRES!

- The system is controlled via the SUNNY central command device
- SUNNY keeps the automation's control panel deactivated and enables the power supply only after it receives a signal or command over the wire to do so.
- Thanks to the card's low energy consumption levels in stand-by mode, the system is able to ensure a number of manoeuvres also in hours of the day or periods with less-than-ideal solar radiation conditions.

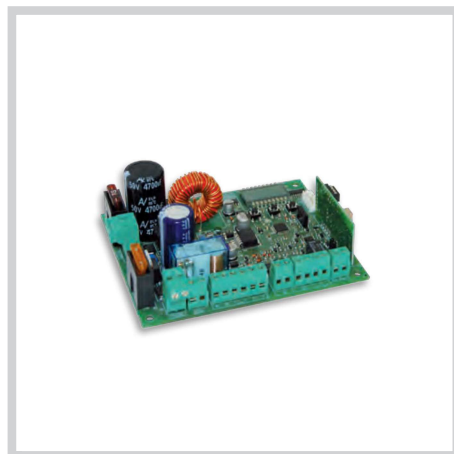


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KSUN

KIT to operate the system by means of a solar panel consisting of a high-performance monocrystalline silicon solar panel (30W) and a control panel (SUNNY) fitted with display, Built-in 3-code radio receiver and two batteries (12V-7Ah). The receiver can handle three different types of code: rolling code, programmable code and advanced rolling code (ARC).



SUN.SY

Control unit fitted with display and a radio receiver that can handle 3 types of code: rolling code, programmable code and advanced rolling code (ARC). It is possible to connect to the control panel up to 3 solar panels

ACCESSORIES



DA.BT18

18 Ah 12 Vdc batteries.

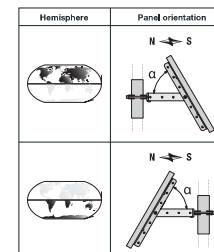
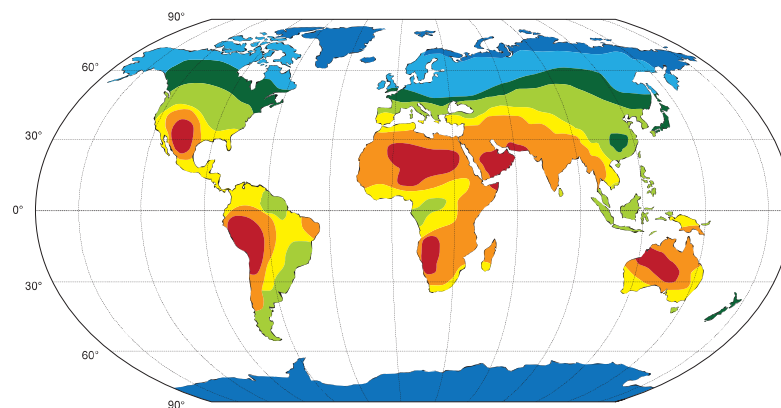


SUN.PANEL

High-performance monocrystalline silicon solar panel (30W)



CHART REGARDING AVERAGE SOLAR RADIATION DISTRIBUTION



| Latitude | Angle of inclination α |
|----------|---|
| 0-15° | 15° |
| 15-25° | The value is the same as that of the latitude |
| 25-30° | Add 5° to the latitude value |
| 30-35° | Add 10° to the latitude value |
| 35-40° | Add 15° to the latitude value |
| > 40° | Add 20° to the latitude value |

* AVERAGE NUMBER OF DAILY MANOUVRES WITH KBOB24 - KBULL624



AVERAGE NUMBER OF DAILY MANOUVRES WITH KBULL424



* Refer back to the manual for more precise values

The above data refer to some of the configurations possible with SUN SYSTEM

TECHNICAL DATA

SOLAR PANEL TECHNICAL DATA

| | |
|----------------------------------|------|
| Voltage with open circuit (Voc) | 21.5 |
| Voltage at maximum power (Vmp) | 17.5 |
| Short circuit current Isc (A) | 1.88 |
| Current at maximum power Imp (A) | 1.7 |
| Peak power Wp +/- 5% | 30 |

CENTRAL TECHNICAL DATA (SUNNY)

| | |
|--------------------------------|---|
| Battery type | 24 Vdc Pb (Lead) |
| Battery capacity | 7Ah - 50 Ah |
| Photovoltaic panel type | Vmp: 15 ÷ 40V (Load voltage) / Wp: 15 ÷ 80 W (Maximum power) |
| Power supply output | 24 Vdc |
| Protection degree | IP 55 |
| Operational temperature | -20°C / +70°C |
| Radio receiver | 433,92 MHz built-in and configurable (rolling code or fixed + rolling code) |
| No. of codes that can be saved | 512 Rolling code, 16 code fixed |