



Article number: 231 023
Description: Sunny Boy Control Plus

Electrical wiring

Voltage operating range (U_{AC}): 110 - 240 V
Frequency range (f_{AC}): 50 - 60 Hz

Integrated interfaces

Inverter communication: 2 x RS485 (COM 1)
PC / modem / display: 1 x RS232 (COM 2)
Digital IN / OUT: 8 / 8
Analogue IN / Pt1000: 6 / 2

Storage capacity

Max. no. inverters: 50
Max. no. device types: 10
Energy values per device: 1 year
Measuring channels: ≤ 250

Display: 4 x 16 characters

Operation: 4 buttons

Ambient temperature: -25 °C ... +55 °C

Protection type: IP 40

Fuse: Automatic overload protection
365 V / 90 mA

Size:
W x H x D: 234 x 127 x 88 mm

Weight:
Approx. 1.750 kg

Sunny Boy Control Plus

Control device for PV installations with Sunny Boy inverters. The **Sunny Boy Control Plus** can be used in smaller PV installations as well as systems in the MW range.

Operation:

- Remote maintenance of PV installation via PC
- Remote access to stored data (PC/fax)
- Integrated RS232 interface for external display
- Data acquisition and storage
- Communication with the PC via RS232 interface or optional RS485 interface
- Communication with Sunny Boy inverter via RS485.
- Configuration, data acquisition and optimising of up to 50 Sunny Boy and SMC inverters.

Features

- Suitable for various installation sizes
- Improved reliability through use of separate data line
- RS485 supports transmission distances of up to 1200 m
- Easy to use
- High degree of flexibility
- Monitoring and remote diagnosis
- Innovative power management
- Low energy consumption
- Optional connection of a large display
- Direct measurement via external sensors (irradiation sensor, pulse counter).
- CE compliance