



STM-CP-485

STM-CP-485, Control module with 1500 VDC voltage measurement, positive terminal, RS-485 communications,

Code: E82CP1. **DESCATALOGADO**

Description

STM is smart analyser that supports up to 32 channels. Designed specifically to supervise photovoltaic strings, the **STM** allows for the maximum performance of the photovoltaic array thanks to its high measuring accuracy.

The solution consists of different modules:

STM-C: Smart module that is able to calculate powers, compare string performances, detect reverse currents, etc. It also features:

- One 1,500 VDC input
- Four voltage-free digital inputs
- One analogue input 0/4...20 mA
- One input for Pt100 or Pt1000
- A LoRa wireless communications module

STM-S: Current measurement module with 4 measurement channels of up to 42 A each. Up to 8

STM-S modules can be connected to obtain 32 channels.

Its modularity, flexibility of installation, smart characteristics and robustness make the **STM** the perfect piece of equipment to supervise the correct operation of the photovoltaic array.

Application

Supervision of photovoltaic strings in solar farms and self-consumption installations



STM-CP-485

Analyser for photovoltaic strings

Code: E82CP1.

Specifications

DC power supply

Consumption	100 mA
Nominal voltage	24 Vdc \pm 10 %

Environmental characteristics

Relative humidity (without condensation)	5 ... 95 %
Working temperature	-20...+70°C (continuous) -20...+80°C (peak)

Mechanical characteristics

Fastening	DIN rail
Weight (kg)	0,21

Voltage measurement circuit

Nominal voltage	1500 Vdc
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Input

Accuracy	\pm 3°C
Range	-25 ... 100°C
Resolution	\pm 0,1 mA
Type	Pt100/1000

Standards

Electrical safety, Installation category	Category II Double-insulated electric shock protection class II
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Analogue inputs

Nominal range	0/4...20 mA
Accuracy	\pm 0,1 mA

Digital inputs

Quantity	4
Type	Optoisolated voltage-free
Maximum short-circuit current	6 mA

The minimum configuration of the STM solution is made up of an STM-C module and an STM-S module

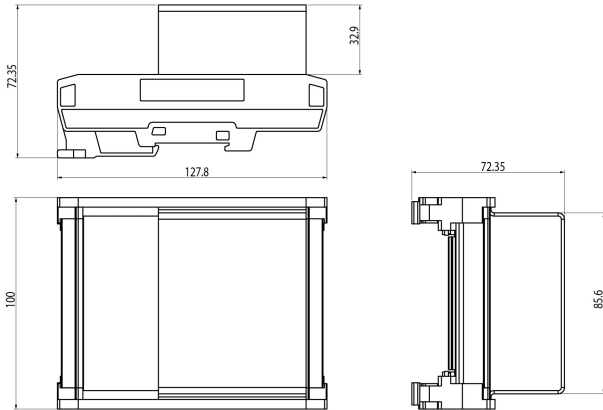


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Dimensions



Connections

