



STM-S

STM-S, Module with 4 measurement outputs,

Code: E82S00. 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-S

Analyser for photovoltaic strings

Code: E82S00.

Specifications

Mechanical characteristics

Size (mm) width x height x depth 80 x 127.8 x 72.35 (mm)

STM-SHUNT

Control module for PV measurement using a shunt

CODE	TYPE	Description
E82C00.	STM-C-485	Unit control module for monitoring photovoltaic installations with RS-485 communication.
E82C10.	STM-C-LoRa	Unit control module for monitoring photovoltaic installations with LoRA communication.
E82S00.	STM-S	STM-S, Module with 4 measurement outputs
E83R020001000	KIT REP LoRa	LoRa Repeater communications kit, structure + base + anchors for mounting included
E83R020000000	KIT REP LoRa	LoRa Repeater communications kit, structure + base + anchors for mounting not included

Control module

E82CP1.	STM-CP-485	Control module with 1500 VDC voltage measurement, positive terminal, RS-485 communications
E82CN1.	STM-CN-485	Control module with 1500 VDC voltage measurement, negative terminal, RS-485 communications
E82CP20010000	STM-CP-LoRa-F868	LoRa control module with positive current measurement, 868 MHz frequency
E82CP20020000	STM-CP-LoRa-F915	LoRa control module with positive current measurement, 915 MHz frequency
E82CN20010000	STM-CN-LoRa F868	LoRa control module with negative current measurement, 868 MHz frequency
E82CN20020000	STM-CN-LoRa F915	LoRa control module with negative current measurement, 915 MHz frequency

Current measurement module

E82SN0.	STM-SN	Module for negative current measurement, 25 ADC
E82SP0.	STM-SP	Module for positive current measurement, 25 ADC

Protective cover

E82SX0.	T-STM-S	Direct contact protective cover for STM-S
E82CX0.	T-STM-C	Direct contact protective cover for STM-C

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

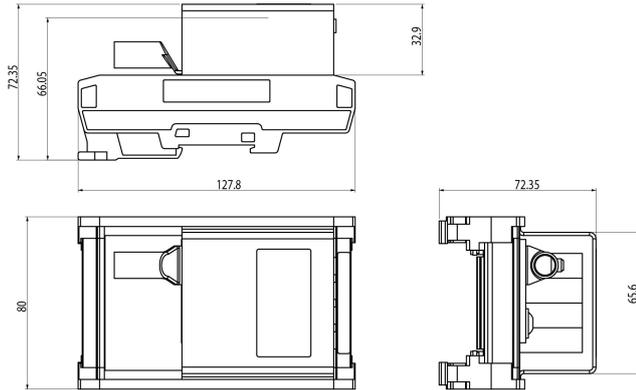


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Analyser for photovoltaic strings

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Dimensions



Connections

