



## STM-SN

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STM-SN, Module for negative current measurement, 25 ADC,

Code: E82SN0. DESCATALOGADO

### Description

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**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

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



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Analyser for photovoltaic strings

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### Specifications

#### DC power supply

Consumption	20 mA / 5 Vdc
Nominal voltage	5 Vdc $\pm$ 10 % (self-powered from STM-C)

#### Environmental characteristics

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

#### Mechanical characteristics

Fastening	DIN rail
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#### Current measurement circuit

Impedance	2 m $\Omega$
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#### Standards

Electrical safety, Installation category	Category II Double-insulated electric shock protection class II
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The minimum configuration of the STM solution is made up of an STM-C module and an STM-S module

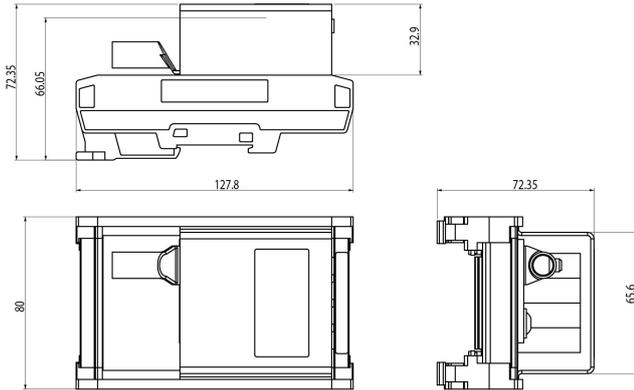


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## Dimensions



## Connections

