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## KIT REP LoRa

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KIT REP LoRa, LoRa Repeater communications kit, structure + base + anchors for mounting not included,

Code: E83R020000000 **DESCATALOGADO**

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### 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.

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### Application

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



## KIT REP LoRa

Analyser for photovoltaic strings

Code: E83R02000000

### Specifications

#### 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     |
| <b>Control module</b>             |                  |  |
| 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                   |
| <b>Current measurement module</b> |                  |  |
| E82SN0.                           | STM-SN           | Module for negative current measurement, 25 ADC  |
| E82SP0.                           | STM-SP           | Module for positive current measurement, 25 ADC  |
| <b>Protective cover</b>           |                  |  |
| 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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## Connections

