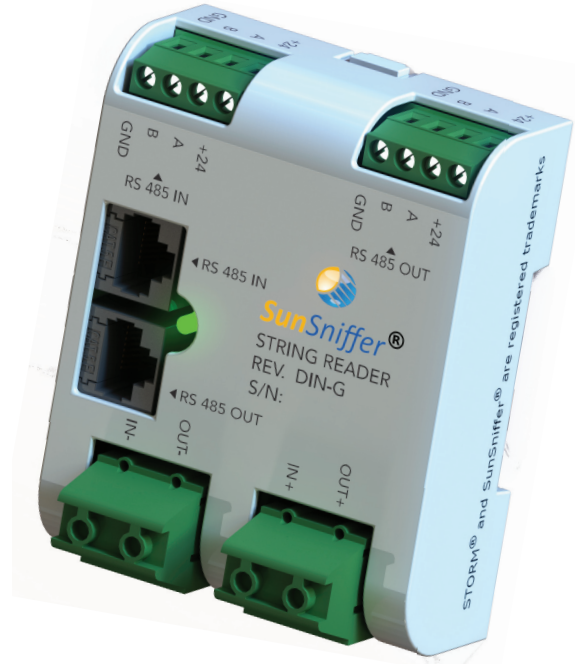


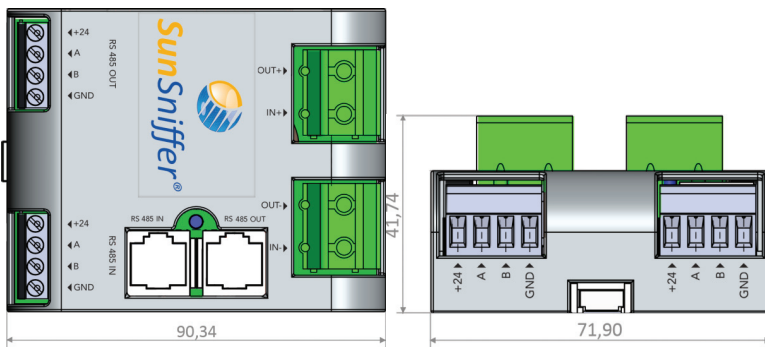
SunSniffer STRING READER

Essential component of the SunSniffer technology for consistent data collection from individual strings.

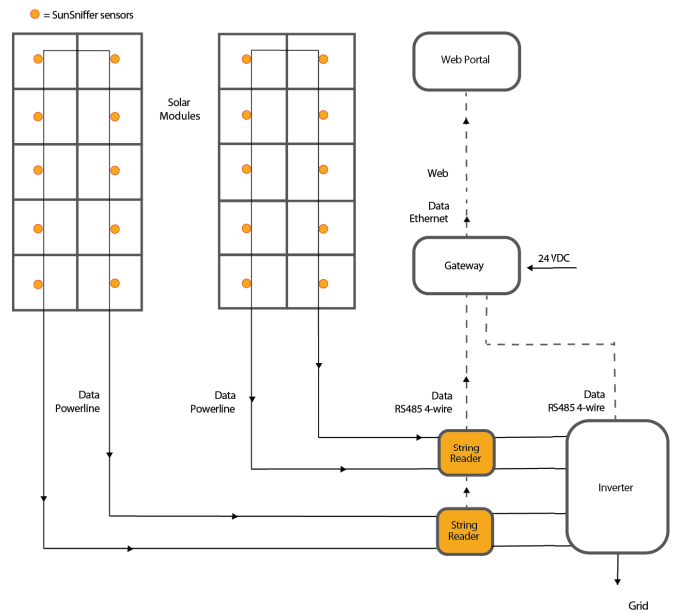


Picture 1. String Reader

An essential component of the SunSniffer technology, the String Reader is designed to measure current and voltage of selected PV strings and to read the measurements transmitted by the SunSniffer sensors placed within the junction box of solar modules. The String Reader provides the essential data for module-level diagnostics of the PV installation. Such data allow off-line analysis of the plant performances as well as on-line status control.



Picture 2. Dimensions



Picture 3. SunSniffer Technology Scheme /Highlight: String Reader



SunSniffer STRING READER

INSTALLATION:

String Reader connected in series between PV string and inverter input (see picture 4 below).

Up to 30 String Readers can be connected to the same RS485 line. Please refer to the related installation manual for installation instructions.

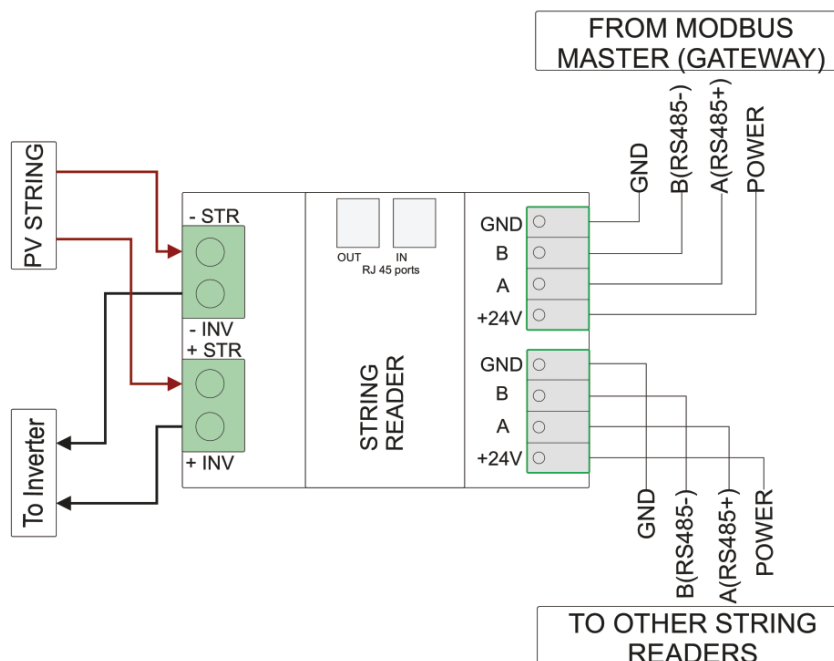
TECHNICAL SPECIFICATIONS:

Maximum string voltage (U_{STR})	1000 V
Maximum string current (I_{STR})	10 A
Maximum modules of PV modules per string (N_{MOD})	30
Power supply voltage (U_S)	24 V
Power consumption (P_S)	< 0.35 W
Dimension (WxLxH)	71.90 x 90.34 x 41.74 mm

INTERNET CONNECTION:

Communication interface	2-wire RS485 (4 cables)
Communication speed	9600 Baud
Communication protocol	MODBUS RTU
Maximum String Readers per one RS485 line	30

Picture 4. Connection scheme



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Specifications in this datasheet are subject to change without notice.