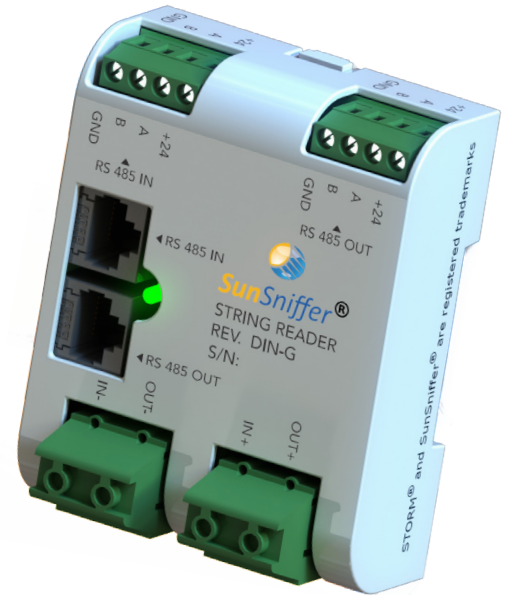




SunSniffer®

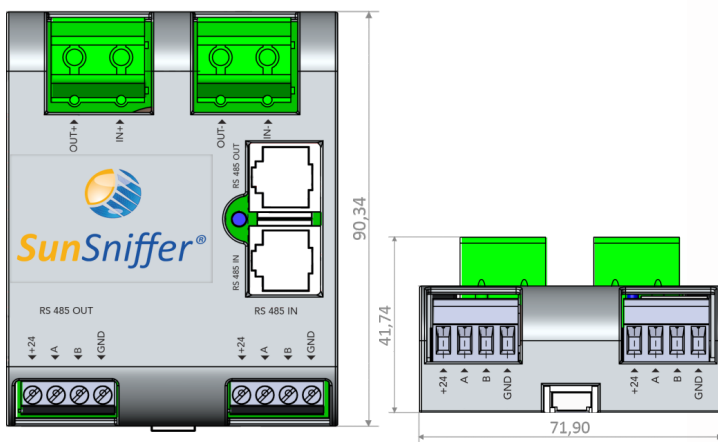
SunSniffer® String Reader

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

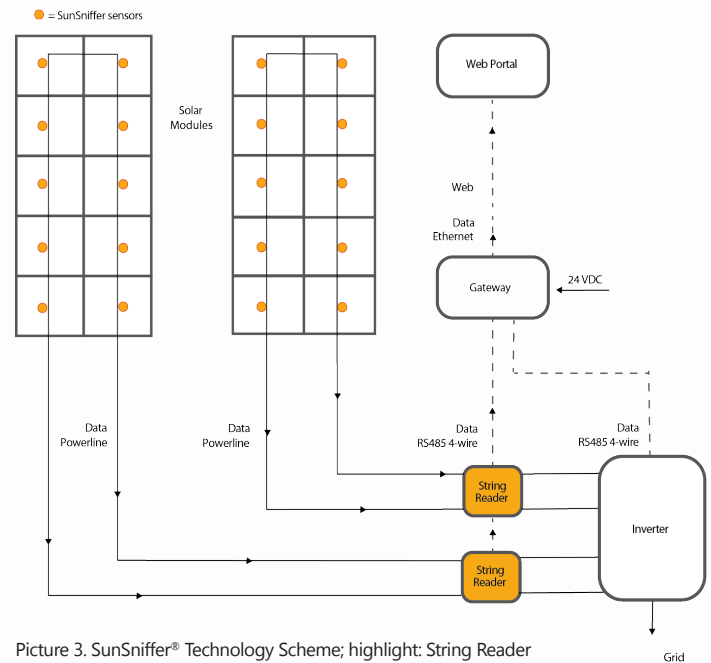


Picture 1. SunSniffer® String Reader

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 offline analysis of the plant performances as well as online status control.



Picture 2. String Reader dimensions



Picture 3. SunSniffer® Technology Scheme; highlight: String Reader

SunSniffer® Technology

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.

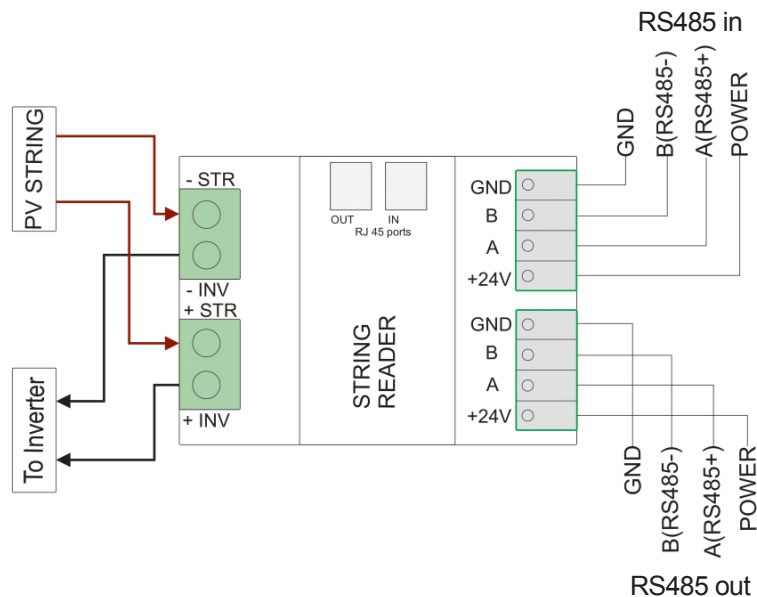
Firmware remotely updateable

TECHNICAL SPECIFICATIONS:

Maximum string voltage (U_{STR})	1000 V
Maximum string current (I_{STR})	10 A
Maximum number of PV modules per string (N_{MOD})	30
Power supply voltage (U_S), supplied through Gateway	24 V
Power consumption (P_S)	< 0.1 W
Dimensions (W x L x H)	71.90 x 90.34 x 41.74

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. String Reader connection scheme