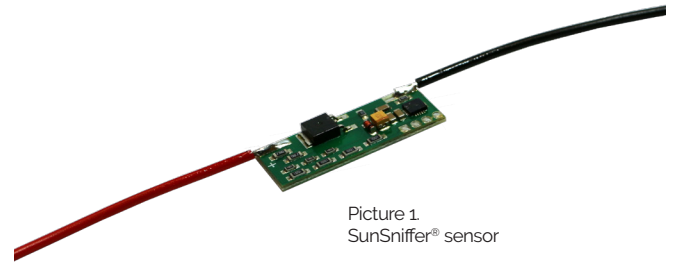




SunSniffer®

SunSniffer® Sensor rev. F

The heart of the SunSniffer® technology for highly accurate measurement of module data.



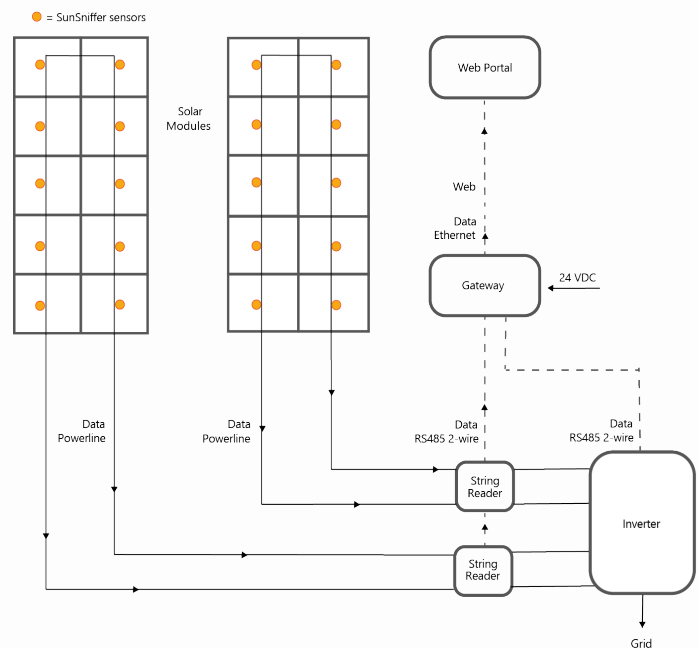
Picture 1
SunSniffer® sensor

The heart of the SunSniffer® technology, the Sensor is deployed for module-level monitoring in solar panels. Installed in the junction box, it assolves the function of telemetry data collection and transmission:

- **voltage (V)**
- **temperature (t°C)**
- **sensor serial number**



Picture 2. SunSniffer® sensor - example of positioning in junction box

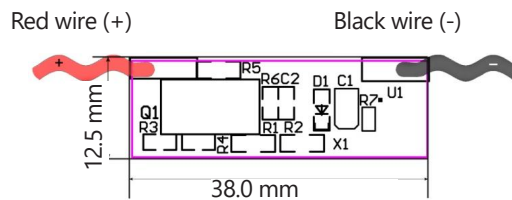


Picture 3. SunSniffer Technology scheme

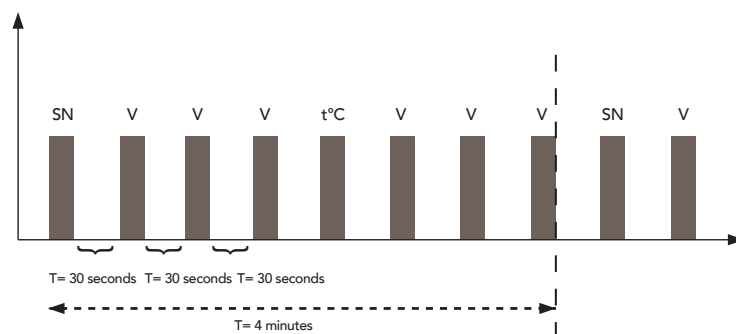
SunSniffer[®] Sensor rev. F

TECHNICAL SPECIFICATIONS:

Dimensions (L x W x H)	38 x 12.5 x 4 mm
Measuring voltage	12 ~ 43 ± 0.2 V
Temperature	-40 ~ + 85 ± 1 °C
Current consumption	≤10 mAmp
Serial Number length (SN)	30 bit
Data transmission interval (T)	30 ± 0.4 sec
including:	
- temperature transmission interval (T _{tc})	4 ± 0.4 min
- SP full serial number transmission interval (T _{SNfull})	4 ± 0.4 min
- voltage transmission interval (T _v)	30 ± 0.4 sec



Picture 4. Sensor technical drawing and dimensions



Picture 5. Sequence of data packets