



SunSniffer®

SunSniffer® Retrofit Box

The heart of the SunSniffer® technology for highly accurate detection of module data - easily retrofitted to already installed plants.

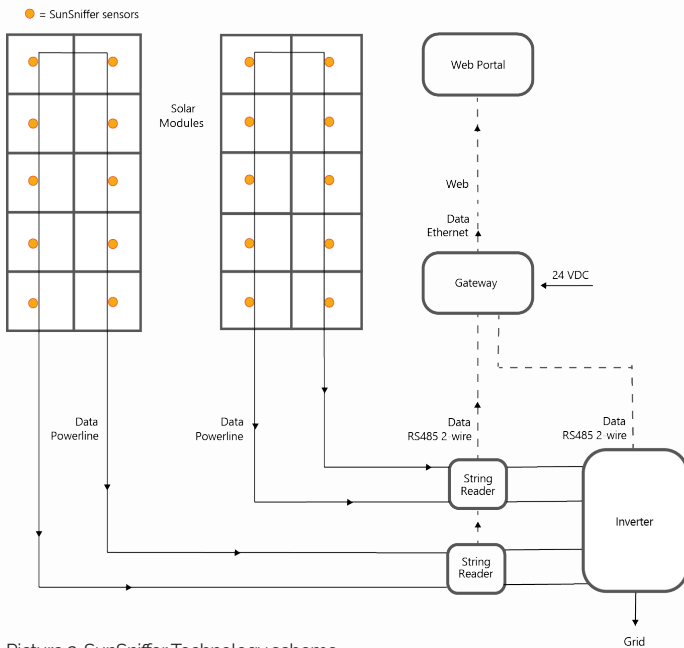


The heart of the SunSniffer® technology, the Sensor is deployed for module-level monitoring in solar panels. Installed in the special Retrofit housing, it can easily be connected to the modules and assolves the function of telemetry data collection and transmission:

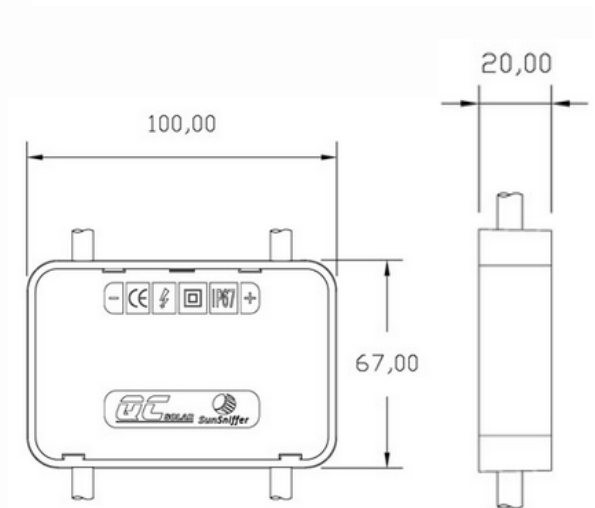
- **voltage (V)**
- **temperature (t°C)**
- **solar panel serial number**



Picture 1
SunSniffer® Retrofit box;
cable length:
2x5cm, 2x90cm

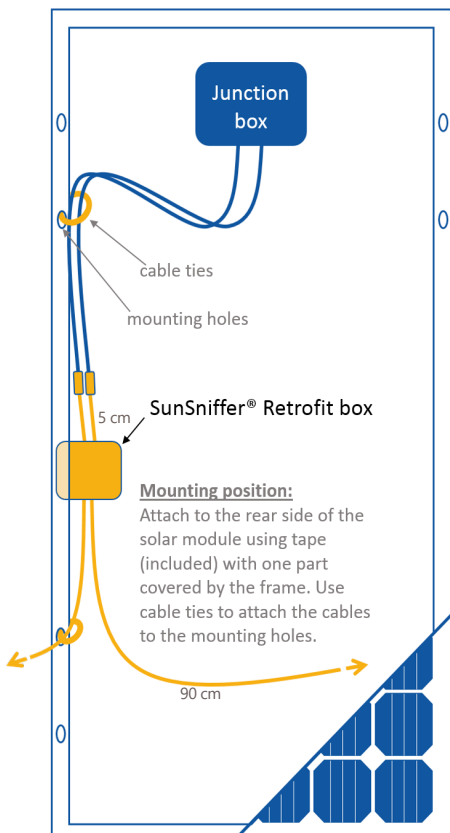


Picture 2. SunSniffer Technology scheme



Picture 3. SunSniffer® Retrofit housing specifications

SunSniffer® Retrofit Box



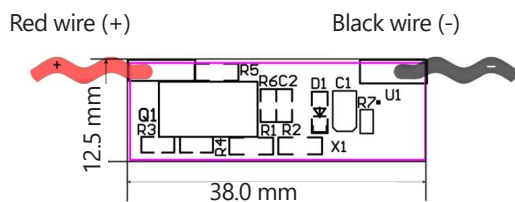
Picture 4. Easy and fast installation:
Just plug the Retrofit box between the modules.

HOUSING TECHNICAL SPECIFICATIONS:

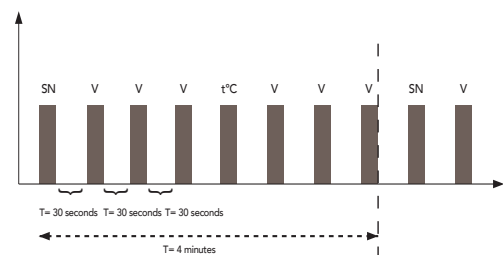
Item	QC0816432
Rated current (J/D)	14,5 A / 30 A
Rated voltage	IEC 1000 V / UL 600 V
Dimensions W x L x H	67 x 100 x 20 mm
Temperature range	-40°C~ 85 °C
Cable size	4,0 mm ² / 12 AWG
Protection degree	IP 67
Flammability class	5VA
Cable length	5 cm / 90 cm

SENSOR TECHNICAL SPECIFICATIONS:

Measuring voltage rev. F	12 ~ 43 ± 0,2 V
Measuring voltage rev. K	5 ~ 53 ± 0,2 V
Temperature	-40 ~ + 85 ± 1 °C
Current consumption	≤ 10 mAmp
Serial Number length (SN)	30 bit
Data transmission interval (T) including:	30 ± 0,4 sec
- temperature transmission interval (T _{rc})	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
Dimensions (LxWxH)	38 x 12,5 x 4 mm



Picture 5. Sensor technical drawing and dimensions



Picture 6. Sequence of data packets