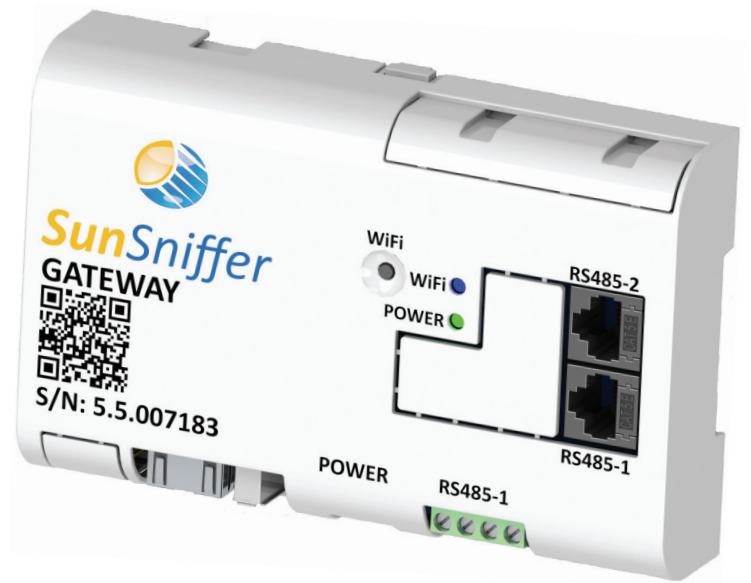


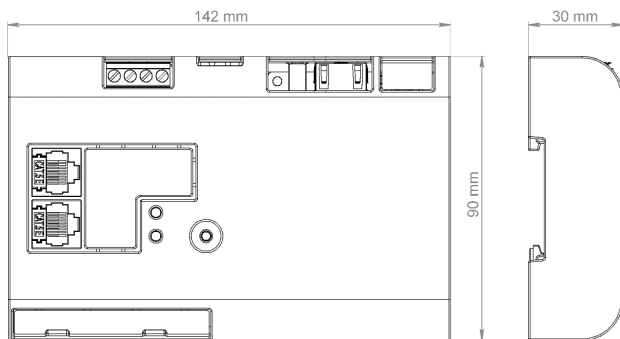
SunSniffer GATEWAY <10kWp

Essential component of the SunSniffer technology for reliable transmission of data to Web Portal.

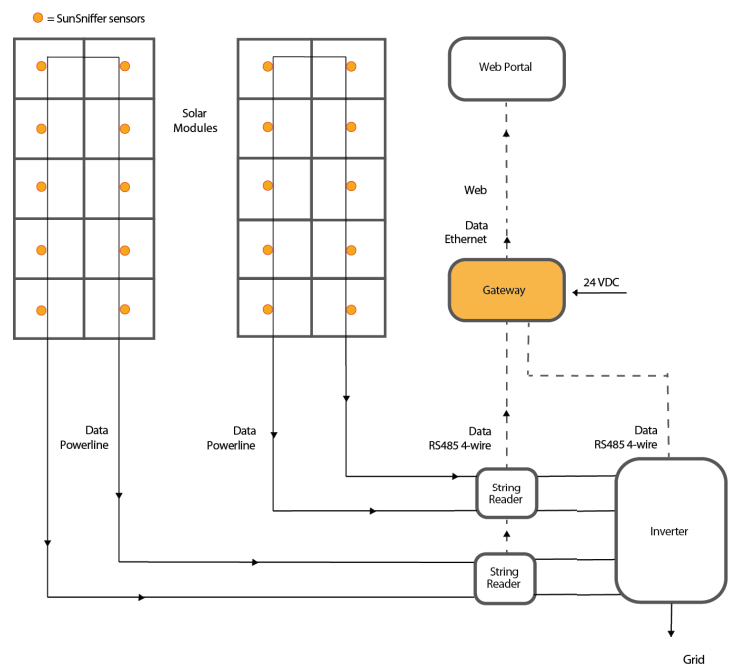


Picture 1. Gateway

An essential component of the SunSniffer technology, the Gateway is designed to monitor and control the functionality of solar power plants. It gathers telemetry from String Readers and inverters in the field and pushes it to the Web Portal. This data allows off-line analysis of plant performance as well as on-line status control.



Picture 2. Gateway Dimensions.



Picture 3. SunSniffer Technology Scheme /Highlight: Gateway

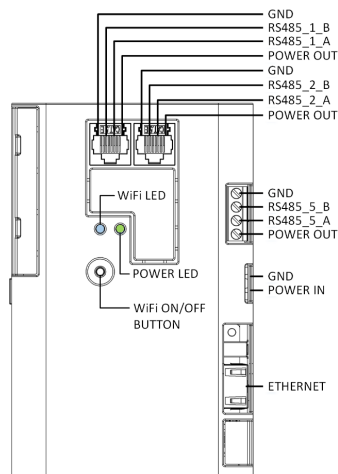
SunSniffer GATEWAY <10kWp

HOUSING:

Dimension (LxWxH)	142 x 90 x 30 mm
Weight	0.140 kg
Material	polycarbonate, glass fiber reinforced
Installation	DIN-Rail
Protective insulation	2
Protection class	IP51
Operating temperature	-25 to +60 °C

INTERNET CONNECTION:

Interface	Ethernet RJ45
IP Address	automatically, over DHCP
Power supply	+24V DC 1.5 A (<40 String Readers) 2.5 (otherwise)
Gateway consumption	<5 W
Consumption per attached String Reader	<1 W

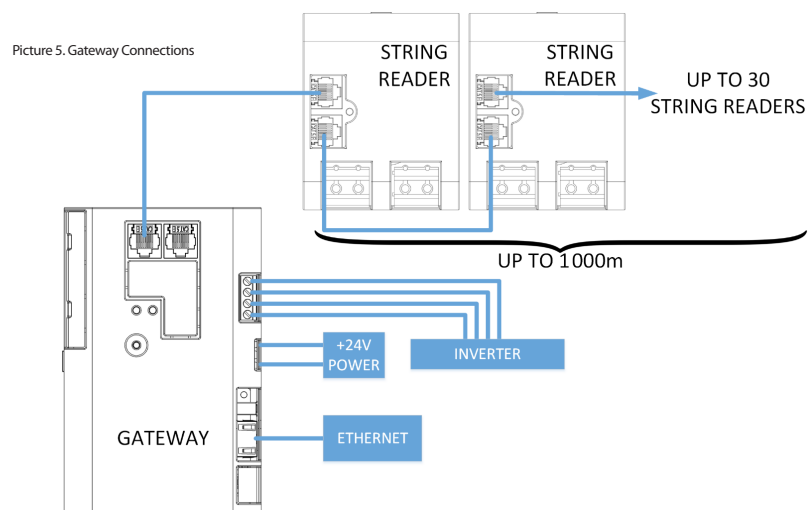


TECHNICAL SPECIFICATIONS:

RS485 communication channels	3
Supported protocols over RS485 channel	MODBUS, Danfoss, Kaco, Kostal, PowerOne, SMA, RefuSol, Solarmax, Schüco, Schüco SGI
Protocols	WiFi Access Point with built in Web Server, Configuration interface, Remote control from Web Portal
Maximum attached String Readers (N _{STR})	4 pcs.
Maximum inverters (N _{INV})	up to 2 pcs.
Maximum RS485 cable length	1000 (800 recommended) m
DC voltage provided on communication channel connector	+24 V

CONNECTIONS:

3 RS485 communication channels for String Reader and inverter connection
RJ45 connector for Ethernet connection
WiFi button for switching-on access point with internal configuration Web Server



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