



Basic remote monitoring for inverters, pumps and gen-sets

The inverter as the central unit of the solar system already provides important data about your plant. With the Basic Box, you can easily transfer and visualize this data. Depending on the license, you can connect a digital/ pulse or analog sensor to obtain additional information. This way you can efficiently monitor your solar or water system remotely. The Basic Box is quickly installed and is able to read out a wide range of solar and pump inverters as well as gen-sets.



Basic Box



**Up to 1 additional digital
and 1 analog sensor**

Basics

- ✓ Smaller installations like residential systems, off-grid
- ✓ Basic monitoring with the essential system data and additional sensor
- ✓ Low data resolution requirements
- ✓ Good overview of the solar system
- ✓ Multiple distributed systems



Features



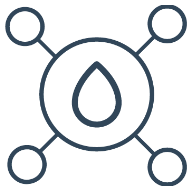
Plug-and-Play installation

The Basic Box is easy to install. Only power supply, sensors, LAN cable, antenna and SIM card are connected and the device is already sending.



Manufacturer-independent inverter monitoring

Multiple inverters independent of the manufacturer can be connected at the same time. You can also include other components such as gensets, battery management systems or smart meters.



Additional sensor

The inverters and controllers sometimes do not provide all the required information. With the Basic Box, selected sensors can be easily connected and therefore increase the significance of the information and quality of the monitoring.



Remote control

Our Pro Box allows both remote control and automatic control. This way, you can easily shut on or off devices thus makes troubleshooting easier.



Local data storage

The data can be stored on-site for up to 1 month. This way, technicians on-site have access to the system data even in the event of network failures.



Use cases



Solar systems

Smaller and simple systems can easily be monitored with the Basic Box by directly connecting it to the inverter(s). It works for both off- and on-grid systems such as standalone or residential installations.



Small scale pumping systems

The Basic Box can be connected to pump inverters and optionally measure an additional value such as water flow. This makes it a good fit for small-scale pumping systems for different purposes such as irrigation or drinking water supply.



Crucial information - 1 or 2-sensor applications

Sometimes, knowing only a few values can make a huge difference. Depending on the license, the Basic Box can be connected digital, analog or Modbus sensor(s) and reliably send these information. This could be an alarm or specific security parameter.



The most important information at a glance

Basic Box - Hardware

Function	
Data transfer	
Wifi	✓
GSM	✓ (2-4G)
Power supply	
External power supply	20-26 VDC, 100-250 VAC
Power supply directly from inverter connection	✓
More	
Dimensions, weight	135 x 120 x 35 mm, 300 g

Basic Box - Licenses

Function	Essential license	Regular license	Extended license
Interfaces and connections			
RS232 interface	1	1	1
RS485 interface	1	1	1
N° of inverter, controller, genset connections (serial communication)	3	6	8 (9 if no Modbus sensor)
Different inverter, controller, genset types (serial communication)	1	1	2
Sensor connections	0	2 (Either 1 digital or analog)	3
Digital sensors	-	(1)	1
Analog sensors	-	(1)	1
Modbus sensors	-	1	1
Data transfer			
Data transfer after connection loss	-	✓	✓
Control and logic			
Remote control of inverters	-	✓	✓
Control of relay	-	-	✓
Data storage			
Local data storage	-	✓ 8 MB	✓ 8 MB



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