

Conergy VisionBox

Monitoring system for photovoltaic systems

The Conergy VisionBox enables convenient and efficient monitoring of PV systems. It combines an external inverter display with a comprehensive monitoring system. The integrated web server and the extensive range of interfaces make the VisionBox an extraordinarily flexible solution for analyzing and tracking a photovoltaic system.



Advance system monitoring

- | **User-friendly navigation** thanks to large 5.6 inch touchscreen display.
- | **An integrated web server** allows the system to be monitored from any PC with Internet access.
- | **Extensive archiving and detailed analysis** all data can be saved onto a USB stick and processed on the PC.
- | **Automatic inverter error reporting** via display and LEDs. Furthermore various alarms can also be issued via SMS, fax or e-mail.
- | **Optional irradiation and temperature sensor** can be also connected to the Conergy VisionBox (recommended for systems with only one inverter).

Rapid installation and updating

- | **Ideal for all solar energy systems from 3kW to 18MW.**
- | **With a standard USB port** for easy data transfer and software updates.
- | **Configured to optimise self energy consumption.**

Large colour touchscreen display

Thanks to the simple, self-explanatory user interface, the user can quickly and reliably reach to the desired information. All the important data for the photovoltaic system is graphically displayed in clearly structured views.



System monitoring via Internet

Connecting the Conergy VisionBox to the www.sunreader.de web portal allows you access to all the data, analyses and statistics of the PV system wherever you are in the world. This data can be exported for further processing.

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Various connection options

The Conergy VisionBox monitors any combination of up to 60 Conergy IPG S, Conergy IPG T string inverters and Conergy IPG C central inverters.



Conergy VisionBox	
Specifications	
Size (W x H x D)	187 x 300 x 54 mm
Weight	675 g
Protection type	IP 20
Ambient temperature	−10° C to +60° C
Installation	Wall mounting, top-hat rail installation
Interfaces	Ethernet, SO input Relay for external alarm (30 V/500 mA) USB 2.0 (2x type A/1x type B) CAN interface (for Conergy string inverter) CANopen interface for digital irradiation and temperature sensor
Input voltage	12–24 V (power supply unit, 230 V, included in the delivery)
Own power consumption	< 8 W with active display (LAN, CAN bus without data transfer) < 2 W with display in standby mode (LAN, CAN bus without data transfer)
Memory	32 MB ROM + integrated SD Card, 1 GB 128 MB RAM
User interface	Colour touchscreen display: B 11.5 cm x H 8.5 cm, 65,536 colours, VGA
Languages	German, English, Spanish, Italian, French, Greek
Alarm functions	Internet portal (e-mail, SMS, fax) * Display LEDs Relay contact
Other functions	Updates via USB stick Local data export via USB stick Remote access via web browser

* Conergy reserves the right to only offer these services for a charge in the future.

Available at: