

MaxWeb XPN

Data communication

More than just a data logger



Self-learning energy management MaxWeb XPN

The SolarMax group has developed the new data logger MaxWeb XPN for energy management. As a hub for location-independent monitoring, it records current measured values, yield data and events. As an energy management centre it regulates the flow of energy and adjusts the power requirement to the availability. This allows for an intelligent use of the existing resources.

All received and delivered services are visualised and both the used and the saved energy are presented graphically. MaxWeb XPN software is self-learning: Based on typical consumption, the data logger determines the optimal time to use solar power, increasing efficiency and maximizing return on investment.

MaxWeb XPN

Technical specifications

		SolarMax MaxWeb XPN
Equipment	Installation	Wall, 35 mm top-hat rail
	Integrated memory	8 GB Flash
	Power supply	Power supply unit 230 V AC / 15 V - 24 V DC
	User interface	Web browser with JavaScript
Environmental conditions	Protection class	IP20
	Ambient temperature range	- 20 °C ... + 40 °C
Functions	Languages	English, German, French, Italian, Spanish, Polish
	Energy management	Data storage of energy generation, own consumption and grid feed-in. Intelligent control of external devices, as well as graphic preparation and evaluation of all data.
	Alerts	Multi-stage, by e-mail
Interfaces	Communication interfaces	LAN, WLAN integrated, RS485, CAN (optional), KNX (optional), Modbus, USB, microSD
	I/O's	8 digital inputs, 4 relay outputs, 4 analogue inputs (4 mA - 20 mA)
Weight & dimensions	Weight	320 g
	Dimensions (W x H x D)	161 mm x 90 mm x 65 mm

MaxWeb XPN specification:

- The new MaxWeb XPN is based on the "predecessor" MaxWeb XP and is therefore also downward compatible.
- MaxRemote capability.
- WLAN integrated incl. antenna and connection for external WLAN antenna.
- Modbus TCP interface for connecting a direct marketer, among other things.
- 8 digital inputs and 4 digital outputs.
- 4 analogue inputs.
- 2 S0 counter inputs for the recording of load profiles or the determination of energy flow for the energymanagement.
- RS485 interface.
- Standard DIN rail housing with two-line LCD display shows the important information and the status of the plant. The user can get a quick overview and more information via an easy-to-use menu. Basic MaxWeb XPN components can be supplemented via internal CAN bus with optional modules.
- Special emphasis was placed on a simple and intuitive user interface Hence, the web interface can be operated comfortably both from a PC and mobile device (smartphone, tablet).
- Furthermore, the MaxWeb XPN serves as an energy management centre to manage the energy flow of a complex system. Via the various interfaces (Ethernet, RS485, CAN-bus, etc.), various systems, devices and battery systems can be connected, monitored and controlled.
- These interfaces can also receive and implement control commands from an external device or instance.
- Since the demand for energy can be intelligently adapted to availability, the available resources can be used intelligently. A self-learning system optimises the planning and adaptation to the existing conditions and needs.

Optional modules for data logger MaxWeb XPN:

- KNX module for integration into the existing home automation system to increase the share of own consumption (in preparation).
- Customer specific module development is also possible, therefore, customers have the opportunity to add a corresponding module according to their own requirements.

*All rights, amendments and errors reserved.