

















WebdynSunPM

Gateway for solar plants with Power Management

The WebdynSunPM concentrator is used to monitor and control photovoltaic installations by collecting, analyzing and modifying the equipment parameters. Define your scenarios to modulate the power injected to the grid, optimize energy storage or manage your own consumption. Installation and programming is simple and user-friendly using the embedded web server and the configuration wizard, and it can be done remotely. It is compatible with most platforms. WebdynSunPM operates sending the data to one or two servers, or backing it up locally on a micro SD card. Its Power Management feature allows offloading, autoconsumption, storage, as well as other actions.



Main Features

 4G/3G/2G	 Ethernet	 RS485	 0-10V 4-20mA	 Digital inputs	 Relay	 USB	 DIN rail
 Remote configuration	 Alarms	 Power management	 SunSpec compliant	 MQTT/s	 HTTP/s webdav	 FTP/s	 SMS config

■ HARDWARE ■ SOFTWARE

Strenghts & Benefits

- Compatible with commercially available inverters
- Very low data consumption on mobile networks
- Two possible destination servers
- Server redundancy
- Optimization of production output
- Data security
- Remote configuration (no additional cost)

Applications

- Real-time monitoring of electricity production
- Local action automation
- Local or remote maintenance (alarms, troubleshooting, correction...)

Specifications

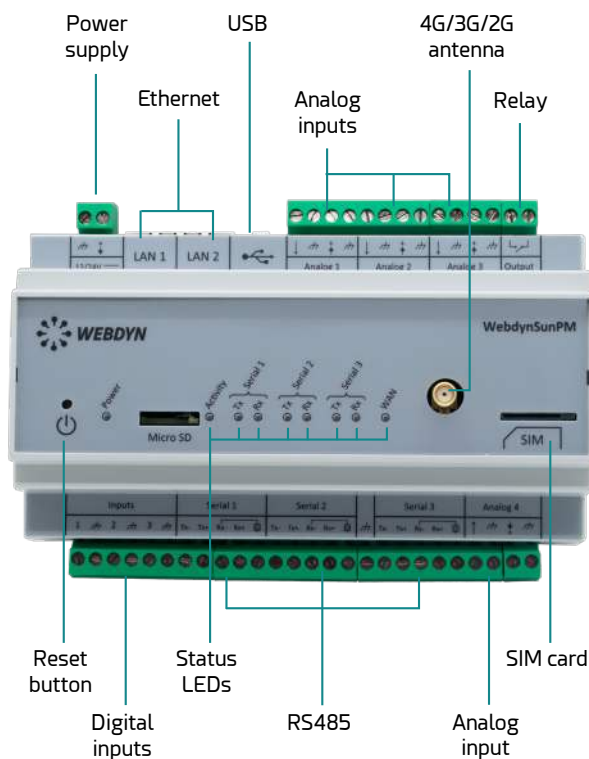
WebdynSunPM 4G	WebdynSunPM 3G
4G: LTE-FDD B1/ B3/ B5/ B7/ B8/ B20/ B28; LTE-TDD B38/ B40/ B41; 2G: GSM B2/ B3/ B5/ B8	3G: 2100/900 MHz 2G: 900 MHz
LTE-FDD Data Rate (Mbps): 10 (DL)/ 5 (UL) LTE-TDD Data Rate (Mbps): 7.5 (DL)/ 1 (UL)	
GPRS Data Rate (kbps): 85.6 (DL)/ 85.6 (UL)	
EDGE Data Rate (kbps): 236.8 (DL)/ 236.8 (UL)	

Interfaces

- 4G/3G/2G connectivity
- 3x RS485
- 4x analog inputs
- 3x digital inputs
- 1x relay
- 1x USB
- 2x Ethernet (web interface, server connection)

Connectors

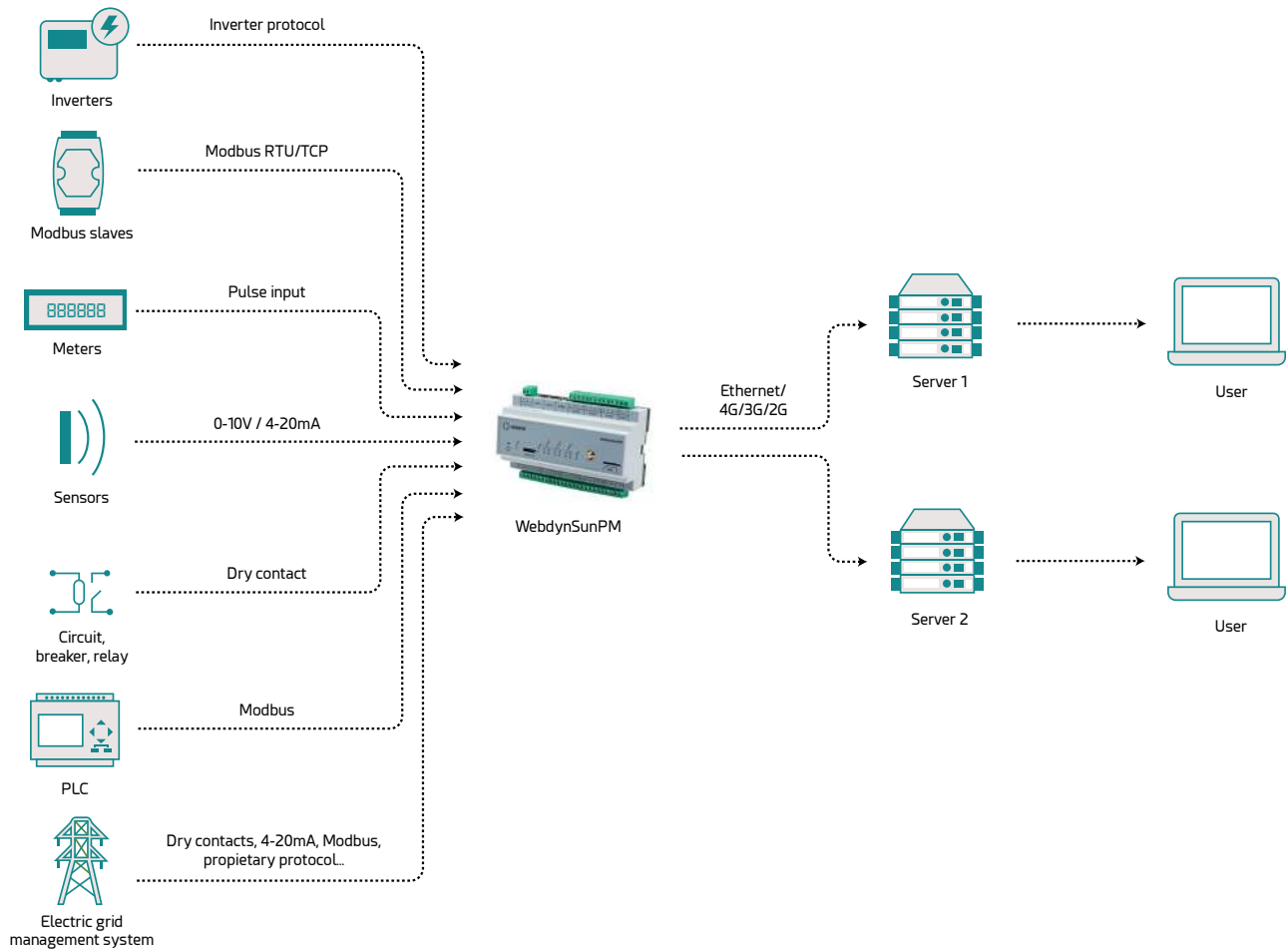
- 1x SMA F connector: 4G/3G/2G
- 2x RJ45: Ethernet
- 1x USB
- 2x terminal blocks: power, RS485/422, pulse inputs, analog inputs, relay
- 1x SIM card holder



Characteristics

- Status LEDs
- DIN rail
- DC input: +12 to +24 Vdc
- Consumption: 4W max.
- Temperature range: -5 - 50°C
- Storage temperature: -20 - 85°C
- Dimensions: 157x108x59mm
- Weight: 340gr.
- Certifications: RED, RoHS, REACH

Architecture



Software Features

- SunSpec automatic detection
- Inverters (possible to manage more than 200 inverters)
- Modbus RTU or TCP slaves supervision
- Environment (sunlight, temperature, etc.)
- 50 pulse meters (Class A and B)
- Dry contact inputs (circuit breakers, break-in, etc.)
- Relays
- PLCs
- Electric grid management system (DEIE, etc.)

References

PRODUCTS

- WebdynSunPM Ethernet 2G/3G EMEA **WG0517-A01**
- WebdynSunPM Ethernet 2G/3G Worldwide **WG0517-A02**

ACCESSORIES

- Din Rail 24V DC **AC0103-00**
- Bi-band deported antenna with 5m cable **AC0201-01**
- Bi-band deported antenna with 10m cable **AC0201-03**
- Bi-band deported antenna with 20m cable **AC0201-02**

The equipment may vary from the description in this document. Webdyn reserves the right to make changes to the product(s) and or information contained herein without notice.
This document may not be considered as a contract specification.