



WEBDYN SUNPM

The WebdynSunPM concentrator is used to monitor and control your photovoltaic installations by collecting, analyzing and modifying your equipment parameters. Define your scenarios to modulate the power injected to the grid, optimize energy storage or manage your own consumption. A tailored standalone solution to monitor, control and optimize your photovoltaic installations.

INSTALLATION

- Simple and user-friendly using the embedded web server and the configuration wizard.
- Local or remote installation for configuration or firmware updates.
- Simplified wiring (disconnectable terminal blocks)
- Problem solving using troubleshooting tools that make detection and solving easier

OPERATION

- Data collection
- The data is sent to one or two servers or locally backed up on a Micro SD card
- Real-time alarms
- Simplified local or remote configuration and maintenance
- Power management (offloading, power management, autoconsumption, storage, etc.)

STRENGTHS

- 3 RS485/422 data buses (inverters, displays, Modbus slaves, etc.)
- Compatible with commercially available inverters
- Very low data consumption on mobile networks
- Two possible destination servers
- Server redundancy
- Power Management

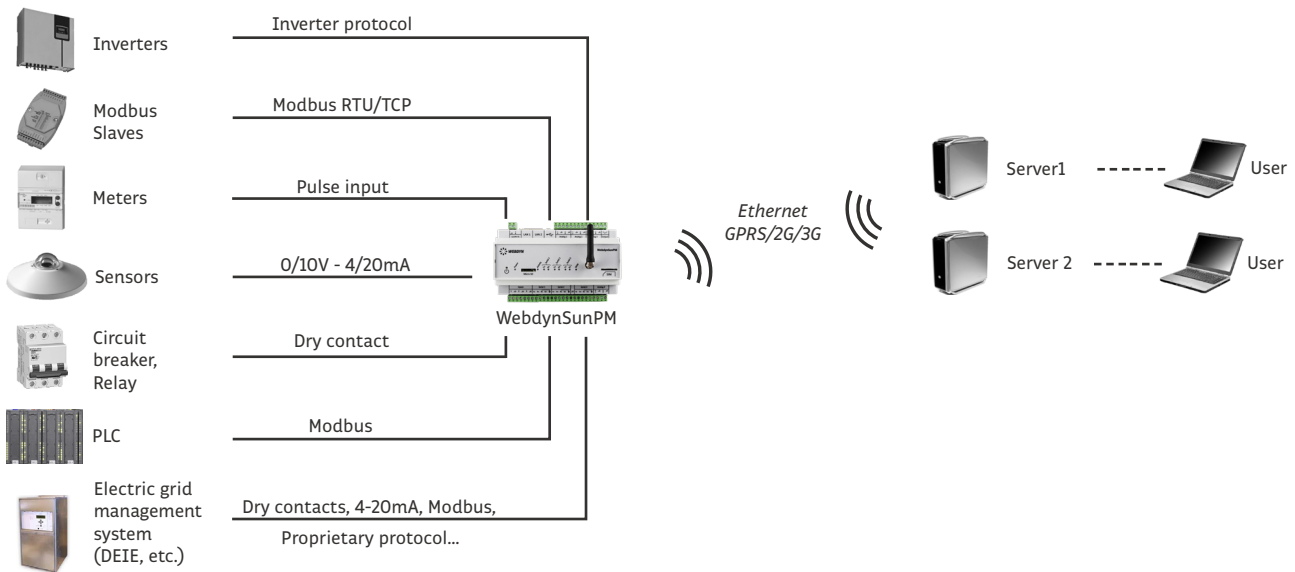
THE APPLICATIONS

- Real-time monitoring of electricity production and installation
- Local action automation (offloading, reduction of the reactive power, etc.)
- Local or remote maintenance (alarms, troubleshooting, correction, etc.)

THE BENEFITS

- All data is aggregated whatever the brands or types
- Real-time supervision and remote maintenance
- Optimization of production output
- Data security

ARCHITECTURE



SPECIFICATIONS

TECHNICAL

- Serial interfaces: 3 RS485/RS422 ports
- GPIO I/O interface: 4 analog inputs 0/10V-4/20mA - 3 ry contacts or pulsed inputs and 1 relay
- IP network interfaces:
 - 2 Ethernet ports: 10/100Mbps/s
 - GSM/GPRS/EDGE/3G modem
 - 3G: HSPA (B1 and B8)
 - 2G: EDGE, GSM, GPRS (B1 and B8)
- 1 USB port
- 1 Micro SD port
- 1 external aerial (SMA connector)

GENERAL

- Power supply: [+12-24V] DC
- Detachable screw terminal block)
- Temperature: Operating: -5°C/+50°C Storage: -20°C/+85°C
- Dimensions: 157x108x59mm
- Fixing: Din Rail
- Certifications:
 - RED
 - ROHS
 - REACH
- Consumption: 4W maximum

MONITORING

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

REFERENCES

PRODUCTS

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

ACCESSORIES

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



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