WebdynSun PM - Release notes

1 Version 4.6.5 (22/02/2024)

- Fix an issue in system logs

2 Version 4.6.4 (29/12/2023)

- Allow script to select type for variables in virtual devices.

3 Version 4.6.3 (28/11/2023)

- Diag : problems on the serial bus are now correctly logged.
- Fix an issue in case of multiple connections on the TCP/serial Modbus Bridge.
- Automatic detection for CyberPower inverters.
- Automatic detection for SAJ inverters.
- Automatic detection for SolarEdge inverters.
- SOLARMAX : MaxConnect equipments are now handled.

4 Version 4.6.2 (19/09/2023)

- New LUA method : setAsync.
- Command writeVariable can now set a tag on all devices.
- Fix : automatic detection for ABB Trio inverters is now possible.

5 Version 4.6.1 (11/07/2023)

- All scans can now be run with the command discoverDevices.
- New functionality : Modbus Slave.
- New commands : sftp, https, startScript and stopScript.
- Commands now available via file or MQTT : status, factory, reboot, updateFirmware, apn, ftp.
- Device scan is now always interruptible in the web GUI.
- All logs for device scan are saved in a file uploaded on the server. This file is now named following the convention <uid>_SCAN_<timestamp>.log.gz instead of

<uid>_SUNSPEC_<timestamp>.log.gz
- New LUA method: updateScriptVars for updating virtual device linked to the script
- Script : modified RD244-V2_24 script: Push script data through virtual device
- Script : added AfficheurSiebert_V3_00.lua for Siebert display handling.
- Script : added RelayControl_V1_01.lua for Relay control example
- Script : modified ActivePowerRegulation-V1_03 script: Push script data through virtual device
- Automatic detection for CEFEM inverters
- Automatic detection for INGETEAM inverters
- Automatic detection for ABB inverters
- Automatic detection for KACO inverters
- Automatic detection for HUAWEI inverters
- Automatic detection for GOODWE inverters
- Automatic detection for SOLIS inverters
- Automatic detection for SUNGROW inverters
- Automatic detection for GROWATT inverters
- Automatic detection for KOSTAL inverters
- Automatic detection for FRONIUS inverters
- Automatic detection for SMA inverters
- Fix : connection to server is no more interrupted in case of failure during NTP sync.
- Fix : it is now possible to delete a TIC device in the embedded web interface.
- Fix : script args are now preserved after a firmware upgrade.
- Fix of an issue when changing a forwarded TCP port.

6   Version 4.3.2 (14/02/2023)
- ActivePowerControl script 1.02 log on stop and flat mode (additional licence needed)

7   Version 4.3.1 (03/02/2023)
- New ActivePowerControl script parameters (additional licence needed)

8   Version 4.3.0 (13/01/2023)
- add ActivePowerControl script (additional licence needed)
- add new script function for sending an alarm
- add new script function for checking a device/tag in configuration
- fix setKey by SMS
- start Firmware update by SMS et par MQTT
- Alarm with action code 8 and 9 are include in MQTT getData()
- Fix in diesel generator script (wait delay)

9 Version 4.2.17 (13/12/2022)

- Generator Set scripts : remote settings by FTP

10 Version 4.2.16 (08/12/2022)

- Generator Set scripts (e.g. Diesel Generator)

11 Version 4.2.15 (18/11/2022)

- Fix parameters losses in some limit condition.
- DAQ file : devices sorted by index
- Temporised alarms

12 Version 4.2.14 (09/11/2022)

- Coefficients A and B are not applied anymore for IO variables with action code 2.
- __MetaData__ informations have been added to alarm messages in MQTT.
- Correction of an issue causing application crash when a TIC device is declared in the DAQ file but the DEF file doesn't exist on the server.
- Default values for device detection have changed.
- Invalid value for SunSpec int64 variables is now handled accurately.

13 Version 4.2.13 (25/10/2022)

- SMS Status: shorten reply SMS
- At each user connection to server, cleanup unused def files.
- Log connection type (FTP/SFTP/MQTT/Webdav)
- "reboot" command by command file and as RPC request from MQTT
- "status" command by command file
- Added TIC status in status page
- Persitance of last value for action code 8 variables
- Action code 9 for delayed alarms
- Add sunPM id in MQTT payload

14 Version 4.2.12 (21/09/2022)

- New WEBDYN visual identiy on embedded website
- Connection retries logged
- Faulty devices in log

15 Version 4.2.10 (29/07/2022)

- Instantaneous Data Set

- code action in definition file header to force a multiple write (10) even for writing one modbus register (GOODWE inverters)
- Param Server and DNS configurable on the modem

16 Version 4.2.9 (21/07/2022)

- remove "default values warning" on FTP files

17 Version 4.2.8 (08/07/2022)

- IMPORTANT : LOG CLEANUP
- RD244 script
- licence management
- KAKO proprietary protocol
- Script cyphering
- Script modbus ack
- script activation
- Script parameters
- Script virtual devices
- Script data and devices status
- Data validity in FTP files
- Webservice for signaling FTP updates

This release MUST be deployed: to solve a critical issue. When server2 is not used or used for MQTT then log are accumulated in flash memory. The log can saturate the memory and cause a general failure of webdynSunPM. The release 4.2.7 is solving the issue and, in addition, remove unsent logs for unused server2

18 Version 4.1.4 (19/05/2022)

- Fix sunspec KAKO detection

19 Version 4.1.3 (05/04/2022)

- Delta solivia protocol
- SMA Protocol
- Fix IO average
- Compatible with 4G network with compatible hardware

20 Version 3.4.4 (24/09/2021)

- Delta solivia protocol
- Diag tool improvment for modbus exception
- Added ModbusTCP connection error logs
- Add more specific on request connection details

21 Version 3.4.3 (06/09/2021)

- DATA saved on SD Card
- Configuration by WebDav
- Alarms and commands by MQTT
- Commands by FTP
- Commands by SMS
- Diagnostic tool
- SMANET fixes
- Support of WebdynSunPM 4G (on relevant hardware)

22 Version 3.3.0 (01/02/2021)

- Compatibility with Microsoft Azure
- Remote Procedure Call (RPC) by MQTT (Azure/GCloud/AWS/Legacy)
- mqttPublish by lua script
- Modbus port forwarder (Modbus TCP gateway for Modbus RTU ports)

23 Version 3.2.10 (16/06/2021)

- Compatibility with Google GCLOUD and Amazon AWS
- 254 as modbus slave address is now allowed
- Script log improved : add script file name and line number for errors
- Sunspec default file extension is CSV on dectection (not .ini)
- Sofware update for low bandwidth mobile operators

24 Version 3.1.0 (02/09/2020)

- remove extra MDTM FTP command while pushing data, logs etc. This command is only issued after config transmission to record ftp file timestamp.
- acquisition perdiod in seconds
- configuration SMS bug fix
- modbus polling loop bug fix
- default schedule after factory setting

25 Version 3.0.2 (23/07/2020)

Beta release / only for preview of new features

25.1 main changes

- definifition files/daq file format based on csv format
- modbus coils implemented

26 Version 2.2.5 (29/04/2020)

Beta release / only for preview of new features

26.1 main changes

- user log with FTP connection status
- files import/export by FTP : clear status of transfers
- Definition files: work in progress, see documents for changes to be performed manually
- Min/max/average feature
- Remote script call by webservices, see documents for more info
- Load and save scripts parameters
- Scripts real time logs
- Dynamic names for category / manufacturers / models inserted in definition files

26.2 warning

this release is a beta version. Hence following precautions should be taken:

- The config files / definition files are not compatible with 1.X release : after upgrade a factory reset is preferred
- Pay attention of the new table added at the end of definition files which describes protocols, category and manufacturer.
- In some case, scripts are not upgraded by the web, in such case, a reboot my be necassary

27 Version 1.18 (03/02/2020)

- Sometimes a DEF file is corrupted after download. This issue is discovered during parsing and could lead to deletion of a device. Correction : in this case the file is now downloaded again.

28 Version 1.16 (01/12/2019)

- The periodic backup of data to SD card is now implemented.
- The configuration of class A/B for input entries is now possible via the embedded web interface.
- Correction of an issue that could lead to data loss and connection failures after ~1000 FTP connections without restart of the application.
- Correction of an issue : the modification of the timezone in the file config.ini is ignored (#1987).
- Correction of an issue that prevent the creation of Modbus devices with a variable of type string (#1984).
- Correction of issues that could lead to deletion of all devices when an error is encountered during connection to IS.

Please, note that update to this version 1.16 is possible from version 1.14.02 only.

29 Version 1.14.02 (08/10/2019)

- Correction of an issue that could prevent the update of some WebdynSun PM in version 1.12, 1.12.02 or 1.14.

30 Version 1.14 (02/10/2019)

- It is now possible to create and manage meters and pulse counters. Input entries can be configured for class A.
- Improvement of the data files format duration.
- Correction of an issue that prevent the deletion of all devices when the file daq.ini is empty.
- The optional header fields in the IO data files are now implemented.
- The default value for the field "2 steps for put file disabled" is now unchecked.

Limitations and issues :

- The configuration of class A/B for input entries is only possible via the file config.ini.

31 Version 1.12.02 (20/08/2019)

- Correction of an issue that could lead the WebdynSun PM to overwrite the IS configuration files during first connection.
- Correction of an issue that could prevent the download of a DEF file during connection to IS.

32 Version 1.12 (08/08/2019)

- It is now possible to disable the 2 steps mechanism to upload file via FTP when connecting to server.
- It is now possible to disable upload of applicative log when connecting to server. Note that applicative log is always uploaded when the connection is requested by user via the embedded web interface or via SMS.
- The MQTT configuration is now managed in the file config.ini.
- Scripts are now managed by the server connection. The script list is defined in the new configuration file scl.ini.
- Correction of issues that are preventing the configuration of MQTT or FTP server via the embedded web interface.
- Correction of an issue that could lead to upload several log files when the previous connection had failed (#1711).
- Correction of an issue that is preventing the creation of U64 variable in a Modbus device via the file daq.ini (#1752).
- Some technical improvements for scripts.

Limitations and issues :

- Scripts are not uploaded when connecting to server in backup mode.
- It is not possible to enable or disable a script via the file scl.ini.
- The file scl.ini is always downloaded when connecting to server even if it is unmodified.

- When several devices are created via the file daq.ini with the same DEF file it is not recommended to change one device configuration via the embedded web interface. Doing this may lead to issues after the next connection to server : either the lost of your changes or the propagation of your changes to other devices.

33 Version 1.10.04 (04/07/2019)

- Some technical improvements for scripts.
- Some technical improvements to secure next upgrades.

34 Version 1.10.02 (25/06/2019)

- Correction of an issue that is preventing the configuration of the servers (#1729).

Limitations and issues :

- IO devices created via the embedded web site will be deleted after connection to IS. The recommended workaround is to manage IO devices only via definition files on the FTP server.

35 Version 1.10 (23/06/2019)

Limitations and issues :

- Alarm file format for IO device is not fully in compliance with the required one.
- Data file format for Modbus device is not fully in compliance with the required one.
- Average computation on data is not available.