

WebdynSunPM release notes

4.6.1

2023-07-11

- 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 named with 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: issue when changing a forwarded TCP port

4.3.2

2023-02-14

- script: `ActivePowerControl 1.02` log on stop and flat mode

4.3.1

2023-02-03

- script: `ActivePowerControl` new parameters

- 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
- add firmware update by SMS et par MQTT
- alarm with action code 8 and 9 added in MQTT getData()
- fix: wait delay in diesel generator script

- script: Generator Set remote settings by FTP

- script: Generator Set

- fix parameters losses in some limit conditions
- device are now sorted by index in the DAQ file
- temporised alarms

- 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

- 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
- persistence of last value for action code 8 variables
- action code 9 for delayed alarms
- add sunPM id in MQTT payload

4.2.13

2022-09-21

- new visual identity on the graphical interface
- connection retries logged

4.2.10

2022-07-29

- 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

4.2.9

2022-07-21

- remove "default values warning" on FTP files

4.2.8

2022-07-08

- important: log cleanup (this release must be deployed to solve a critical issue)
- RD244 script
- licence management
- Kako proprietary protocol
- script: cyphering
- script: Modbus ack
- script: parameters
- script: virtual device
- script: data and device status
- data validity in FTP files
- webservice for signaling FTP updates

4.1.4

2022-05-19

- fix Sunspec Kako detection

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

- Delta solivia protocol
- diag tool improvement for modbus exception
- added ModbusTCP connection error logs
- add more specific on request connection details

- 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)

- 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)

- compatibility with Google GLOUD 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 detection (not .ini)
- software update for low bandwidth mobile operators

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

- beta release: only for preview of new features
- definition files and daq file format based on csv format
- Modbus coils implemented