



SMA Data Manager M Release Notes

Release date: 10/28/2025

Affected versions: EDMM-10, version 2.5.27.R or later

Important requirements for installation

Due to limited hardware resources of the EDMM-10, the firmware version from 2.05.27 onwards may not be installed in certain system constellations, otherwise considerable disruptions may occur. Furthermore, it is important to make sure that all EDMM-10 in the system already have firmware 1.15.15.R or higher installed.

The FW 2.5.27.R may not be installed on the EDMM-10 in the following system constellations:

1. Installations whose number of devices exceeds the following values
 - a. Max. 30 devices, if the communication protocol of the devices is max. 10 standard Modbus/Sunspec and the rest Speedwire
 - b. Max. 25 devices, if the communication protocol of the devices is max. 15 standard Modbus/Sunspec and the rest Speedwire
 - c. Max. 20 devices if the communication protocol of all devices is standard Modbus/Sunspec
2. Systems with TLX and FLX inverters
3. Systems where SMA Charge S is actively used
4. Cascaded systems if
 - a. at least one of the EDMM-10s in the plant falls into category 1a), 1b) or 1c) listed above.
 - b. There is an EDML-10 in the system
 - c. in the system an EDMM-10. A is present
5. In the case of cascaded systems, it is generally important to ensure that all EDMM-10s in a system have the same FW version installed
6. PV-plant is not registered in the ennexOS portal

New and changed features

Energy management for batterie and hybrid inverters

1. Battery and hybrid inverters can be used in three different operating modes. These have changed from the previous version and are as follows:
 - a. Import:
When available, the battery charges with excess energy from your PV system. If no PV energy is available, the battery is charged from the grid. It is possible to prevent charging from the grid by configuring it in the parameter list. The import function can be scheduled via the time plans.
 - b. Export:
The available energy is exported to the public electricity grid (feed-in). This function can be scheduled via the time plans.
 - c. Peak load Shaving:
Here, the available PV energy or the battery can be used to draw less energy from the public power grid or not to exceed certain purchase limits. This operating mode can be combined with self-consumption optimization through a battery threshold (multi-use). Time control via time plans is also possible.
2. Time plans (local on the device) for energy management can now be stored. These can also overlap. For example, a basic optimization of self-consumption can be supplemented with an hourly peak load cap. Temporal resolutions are days and hours or by date.

Sunny Portal powered by ennexOS

1. Parameter changes in the portal are now pushed directly to the system. Previously, the changes were only propagated to the plant in the next update cycle.

EV charging

1. EV Charger Business and eCharger can be connected to the EDMM-10 for monitoring. The available Modbus registers have been expanded to allow more detailed monitoring. Control is still not possible.

Cyber Security

1. The requirements of RED and ETSI EN 303 645 are fulfilled. In this way, the Data Manager makes an important contribution to the security of the system.

Normative requirements

1. The configuration of the zero feed-in acc. UNE 217001:2020 (Spain) is now possible via the user interface. Previously, the settings had to be made via the parameter list on the device.
Notice: System validation is still in progress.



Improving the user experience

1. Grid connection
A separate page "Grid connection" makes it easier to find and set the appropriate country standards by sorting by type of operation and countries.
2. Grid connection point widget on the dashboard. Measured values such as active power, frequency or voltages are displayed directly here.
3. In the I/O configuration, the channels used are better identified.
4. Standardized application rules (called GMS policies) are now offered for grid system services. When activated, the connected SMA inverters are automatically pre-configured, separated by device type, to ensure optimal operation. Manual configuration is still possible if necessary.

Known issues

1. Incorrect display of I/O channel on WebUI. The display to the individual I/O channels is incorrectly assigned. For example, if Digital Input 1 is used on port X10, then Digital Input 0 is incorrectly displayed in the UI at one point. This has no effect on the function and will be fixed in the upcoming release.
2. Due to a bug in the bootloader, it can happen in some cases that the software update from version 2.0.xx.R to version $\geq 2.5.27.R$ takes about 8 minutes. In rare cases, a second update attempt may be necessary. As of version 2.5.27.R, this anomaly has been fixed.

Closed vulnerabilities

CVE-2025-48976, CVE-2024-7254, CVE-2025-24970