# SMA Data Manager M Release Notes

Release date: 2025/09/30

Affected versions: EDMM-20, version 2.5.27.R or later

New and changed features

**Energy management for batteries 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 surplus 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. This function can be scheduled via the time schedules.

   b. Export:
   The available energy is exported to the public electricity grid (feed-in). This function can be scheduled via the time schedules.

   c. Peak load Shaving:
   Here, the available PV energy or 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 via a battery threshold (multi-use). Time control via time schedule is also possible.

2. Time schedules (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 SMA Data Manager M for monitoring. The available Modbus registers have been expanded to allow more detailed monitoring. Control is still not possible.

**Cybersecurity**

1. The requirements of RED and ETSI EN 303 645 are fulfilled. In this way, the SMA Data Manager M 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 indicated.

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.

**Supported PV plant size**

1. The previous distinction in the maximum system output (AC power) according to application between open-loop control/monitoring and closed-loop control with different values is no longer necessary. Regardless of the use case, a total plant size of 7.5 MVA is now supported.
   Important: The maximum number of 50 supported devices remains.

## 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 >= 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.