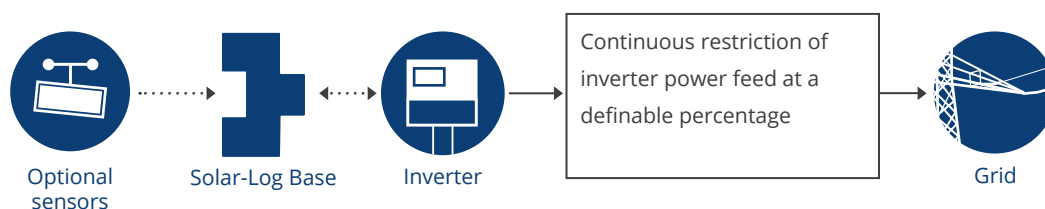


Feed-in Management

Individual Solutions for International Requirements

In order to stabilise the electricity grid even on critical days, there will be new requirements for grid stability in the medium term in all countries that provide larger amounts of decentralised energy generation. The Solar-Log™ devices already cover the basic functionalities for feed-in management with the basic firmware. For the entire range of PM requirements, we offer the PM Pro licence. With this licence you'll find the right solution for every grid stability requirement.



Limited feed-in (x %)

A key feature is concerned with limiting the feed-in to the grid. In many countries, fixed or dynamic power limits are now prescribed. This limit can be flexibly set for different threshold values. This enables different requirements to be met (70% regulation, 50 or 60% regulation with subsidised battery storage, 0% regulation in Spain, etc.).

Active power control with consumption compensation

The controls make it possible to take consumption into account with x % regulation and thus minimise losses from the regulated PV plant.

Two options are available for the function in accordance with the installation location of the meter used.

- Control with consumption meter. (The meter is located directly in the consumer branch)
The current consumption is measured for the control. The Solar-Log™ offsets this with the current production from the inverters. The inverters are only correspondingly curtailed if the difference between the production and consumption exceeds, for example, 70% of the module output.



A meter that determines the consumption directly in the consumption branch is required to implement this.

- Control with meter at the feed-in point.

With this control, the direction and values are measured at the feed-in point. Depending on the measured values, the inverters are controlled directly and curtailed if necessary.

You can find further information and instructions on this topic in our Solar-Log_Handbook_PM_Control manual.

