

CO3

Self-Consumption Optimizer 3 functions

Regelsystem

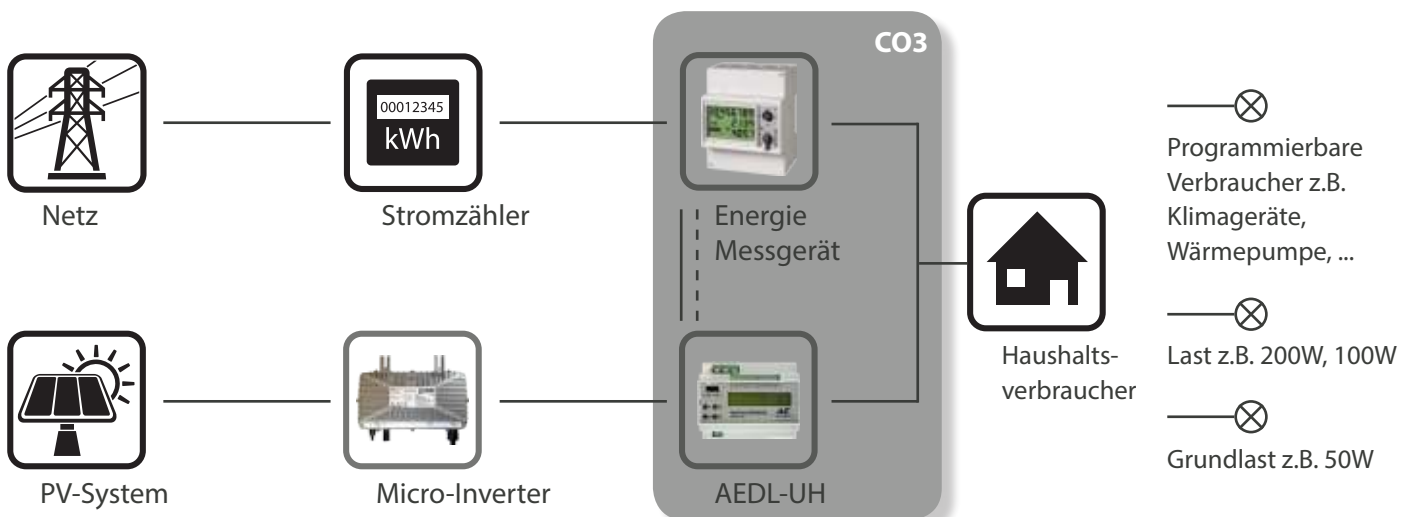
Das System AConversion CO3 (Self-Consumption-Optimizer 3 functions), vereint die drei Funktionen:

- Eigenverbrauchs-Management
- Einspeisungs-Management
- Data-Logging

Die Kombination des AEDL-UH AConversion Datenloggers und eines externen Verbrauchszählers (Energie Messgerät) zum CO3 System garantiert eine optimale Nutzung des selbst erzeugten Stroms. Der eigene Stromverbrauch wird erfasst und auf dem Datenlogger gespeichert.

Vorteile des CO3 Regelsystems

- Nutzung des selbst produzierten Stromes
- Eigenstromverbrauchsoptimierung
- Smartmetering
- Erfassung des Stromverbrauchs
- Keine Einspeisung ins Stromnetz des Energieversorgers oder 70 % Regelung am Einspeisepunkt möglich
- Programmierbarer, leistungsabhängiger Relaiskontakt



Vom PV-System erzeugte Energie wird zum Verbrauch bereit gestellt.

Das CO3-System regelt den Zufluss des durch die PV-Anlage generierten Stroms. Bei zu geringer Verbraucherlast werden Lasten wie beispielsweise Wärmepumpen oder Klimageräte hinzugeschaltet.



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Control System

The self-consumption optimizer CO3, a new development of AConversion, combines three functions: Self-consumption and feed-in management as well as the monitoring of systems with micro-inverters.



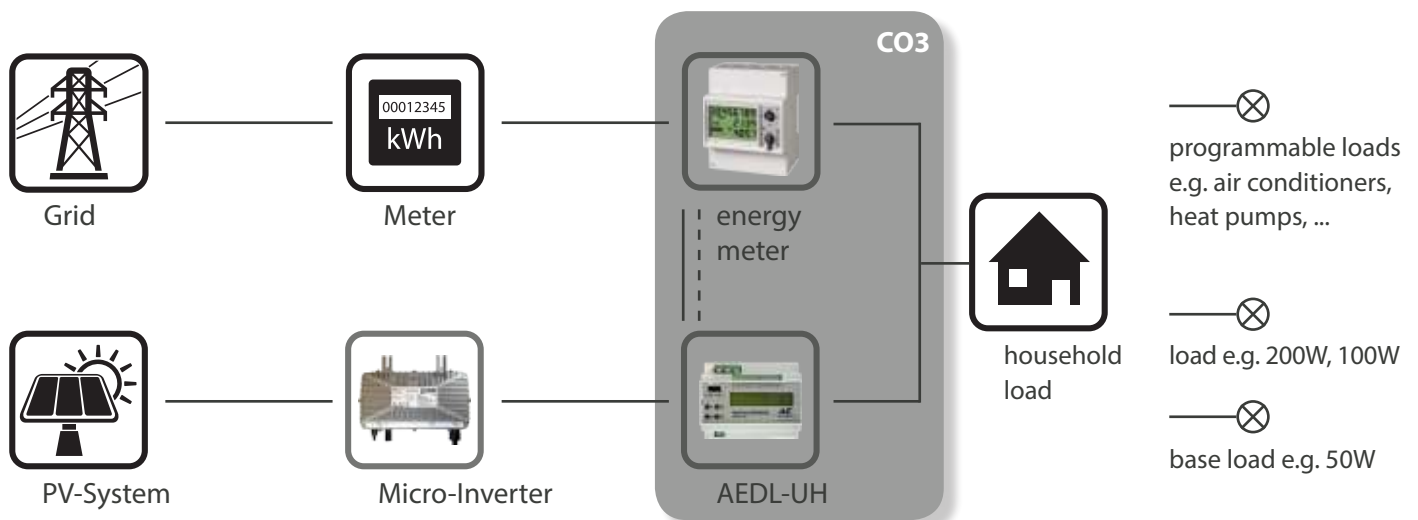
The combination of the AEDL-UH AConversion data logger and an external utility meter (energy meter) for the CO3 system guarantees an optimal use of self-generated electricity. The power consumption is recorded and stored on the data logger.

Advantages of CO3 control system:

- Use of self-produced electricity
- Self-power-consumption optimization
- Smart metering
- Detection of power consumption
- No feeding into the electricity grid of the utility company or control to 70% at the feed-in point possible
- Programmable, power-dependent relay contact

The feed into the electricity grid to the utility company can be completely prevented or, alternatively, set at 70% feed-in at the feed point. A configuration via a ripple control receiver according to EEG is also possible.

The AConversion data logger provides an interface to the network and serves as a link to the communication interface with Powerline and RS485 for operation with the micro-inverters INV250-45 / INV350-60 / INV350-90 / INV500-90. The data logger stores the current output, current income, the average consumption and other desired operating data of the connected inverters.



Energy generated by the PV system is made available for consumption.

The CO3-System controls the current generated by the PV-system. In case of a too low consumer load, additional loads such as heat pumps or air conditioners are connected.