

Omexom PAV, E - Box *superstructure of your generation plant for self-consumption*

Your box for monitoring and compliance with the agreed connection effective performance

Connect more generation capacity of your plant than the grid feed-in specifies and benefit from the use of your own electricity. In the past, full feed-in plants were mainly designed with the maximum approved feed-in capacity. Until now, this meant that no additional self-consumption system could be added. With the entry into force of **VDE-AR-N 4105:2018-11**, the installed capacity may exceed the agreed connected load under certain conditions. The prerequisite is that the operator of the plant ensures that the approved feed-in power is not exceeded.

With the energy flow relay, the **ZIEHL EFR4000IP**, you can shift the limit and thus install **up to 2/3 more generation power** than the grid connection allows.

In addition, you have the certified PAV, E-monitoring directly integrated and are thus further connected to the grid according to VDE-AR-N 4105:2018-11.

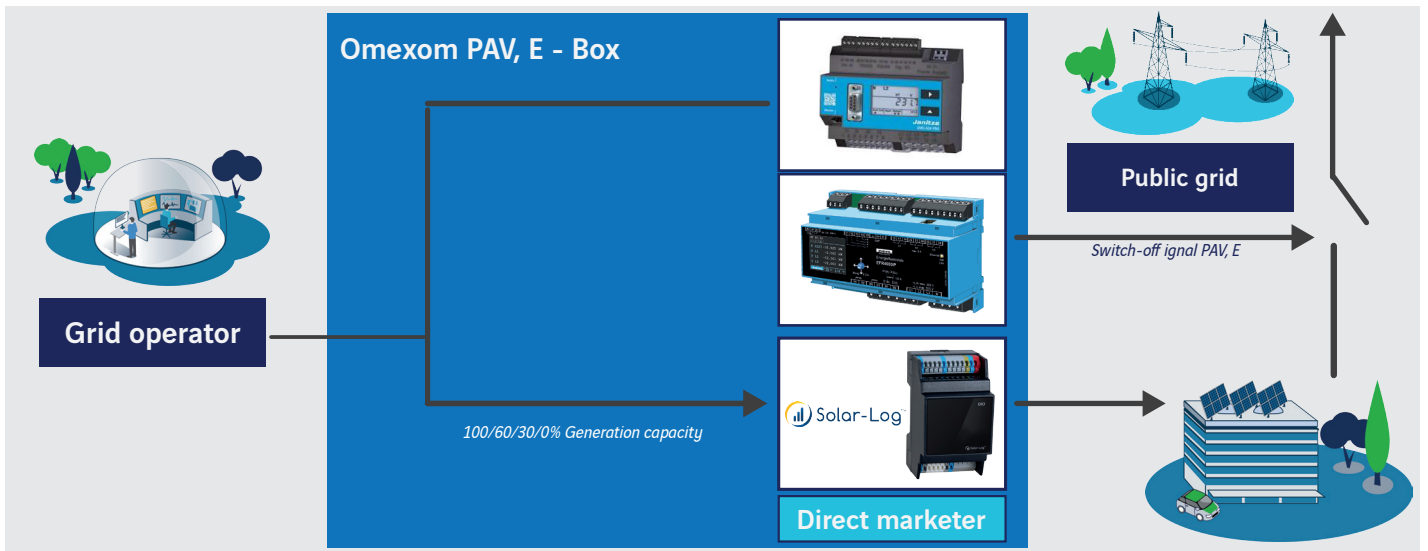
To make it as easy as possible we have developed created the Omexom PAV, E - Box for you.

In this, the energy flow relay EFR4000IP as secondary plant protection is combined with the plant controllers of data logger and Utility Meter as primary plant controllers compactly and easily in the installation in one box.

By combining these measuring points as close as possible close to the plant, PAV, E monitoring is guaranteed.



Modular PAV, E - Box by Omexom



The Omexom PAV, E - Box

A PAV,E- monitoring is to be used, if the with the network operator with the grid operator at the grid connection point PAV,E is smaller than the sum of the installed than the sum of the installed maximum connected active power of all generation plants and/or storage facilities at this grid connection point.

With the Omexom PAV,E - Box you meet the requirements and have a complete system, including:

- plant control
- monitoring
- compliance with the connected active power

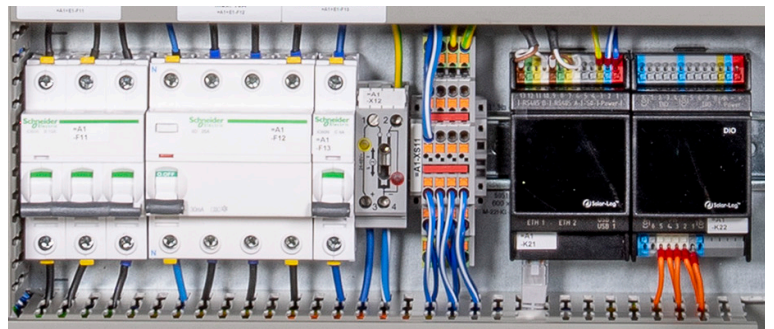
Technology

The data logger and Janitza UMG 604 serve as primary plant controllers and compliance of the active power at the grid connection point.

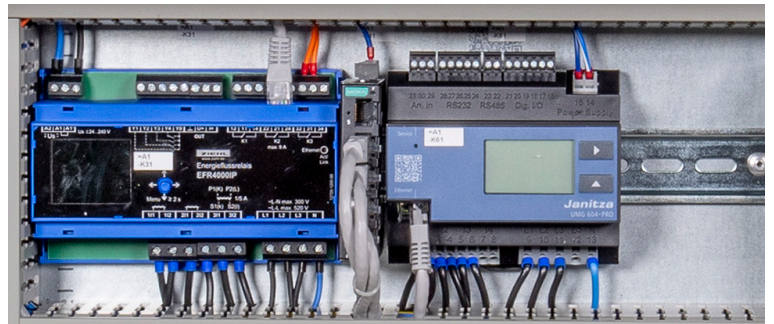
The EFR4000IP serves as a second shutdown condition in case of overbuilding of the plant according to VDE-AR-N 4105. The device acts as a secondary protection of the plant, the device monitoring of the agreed connected effective power.

Adjustable systems must reduce the power and must not exceed the characteristic curve.

With the PAV,E monitoring, compliance is monitored at three measuring points.



Solar-Log Base and Ziehl EFR4000IP are the core of the Omexom PAV, E - Box.



Omexom offers many capabilities and integrated solutions:

- Transformer station construction in Uedem
- Protection tests & protection technology
- Medium voltage switching authorisation
- Installation including medium voltage

OMEXOM

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