

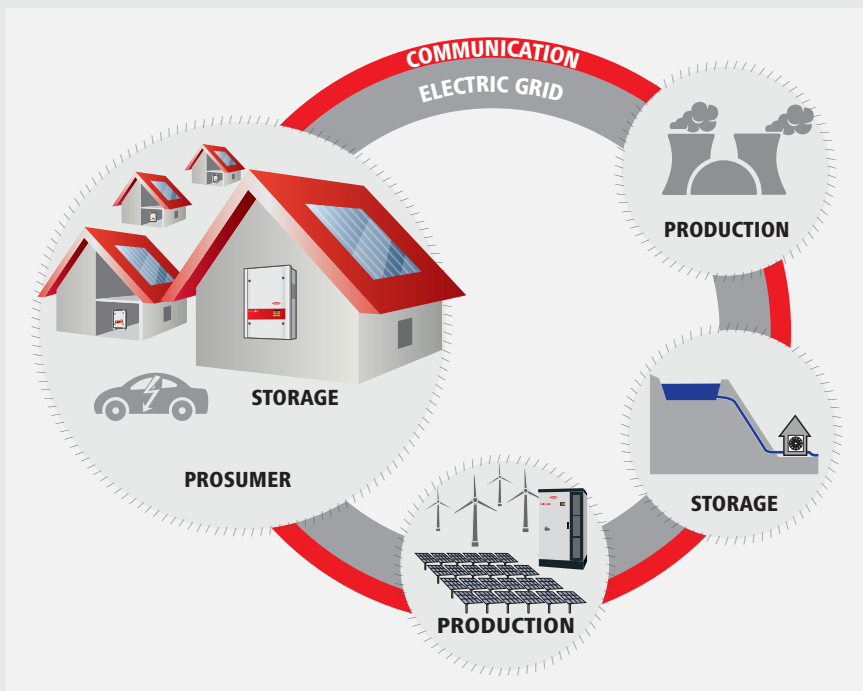
## SMART GRID READY

/ Fully equipped for the grid of tomorrow with Fronius inverters.



/ As the number of decentralised energy generators rises, so too does the need for an intelligent power grid. In the Smart Grid of the future, generators will communicate with both consumers and the grid to ensure a stable mains supply. Grid operators in the future will also be imposing new requirements on local generators such as photovoltaic systems - requirements that Fronius inverters already meet today.

### FUTURE-PROOF AND COMMUNICATIVE



/ With Fronius, you are choosing an inverter packed with a range of intelligent features that is accepted by all energy providers. Over a system service life of at least 20 years, future requirements can be met through quick and easy software updates or plug-in cards.

/ Smart Grids need communication. Data from the inverter, such as power and voltage, can help the power supply companies to assess the condition of the grid. A communication link with decentralised generators also allows the activation and configuration of grid-supporting functions to prevent losses or power failures.



/ This symbol stands for a plethora of intelligent features. Fronius inverters are communicative, future-proof and provide stable grid operation.

# ADVANCED GRID FEATURES FOR A STABLE GRID

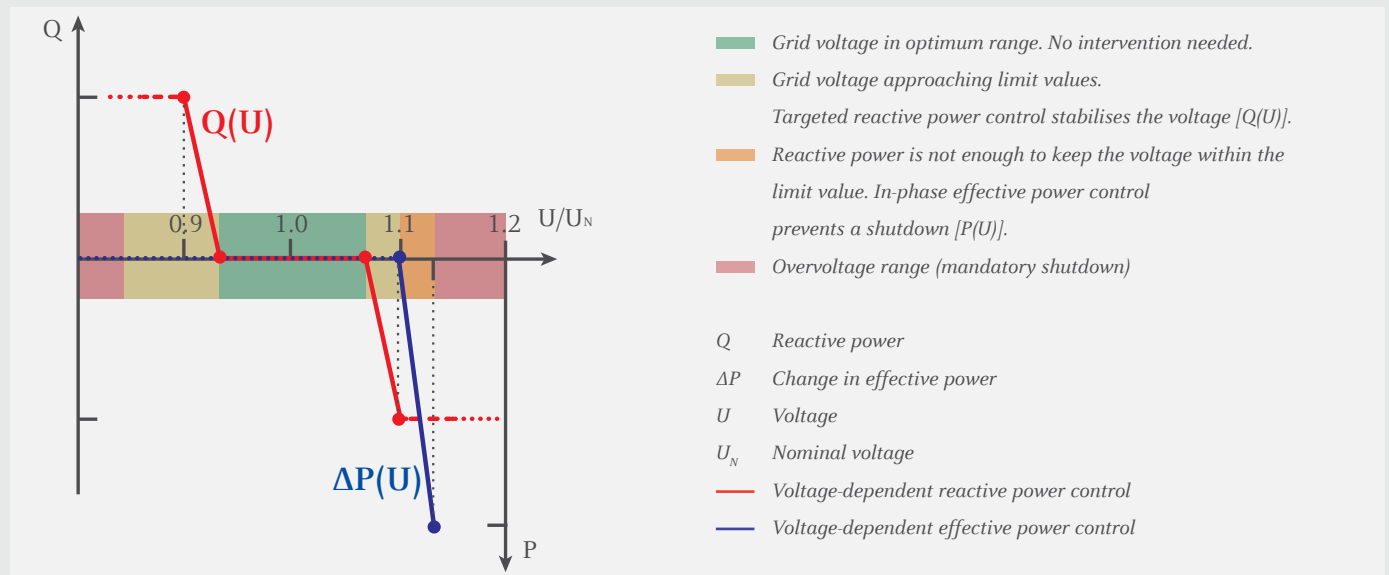
/ The Advanced Grid Features (AGF) incorporate a range of functions that support reliable grid operation. They prevent grid faults and unexpected failures leading to yield losses. In

line with new guidelines for energy fed into the grid, these features can be activated at any time.

## OPTIMISING REACTIVE AND EFFECTIVE POWER FOR MAXIMUM YIELDS

/ PV systems may only feed energy into the grid if the grid voltage is within specified limits. Generating peaks can cause the voltage to approach the upper limit values. To prevent an

undesired shutdown in these situations, Fronius inverters can influence both effective power and reactive power in a targeted manner.



## STABLE GRID DUE TO TARGETED ASYMMETRICAL FEED

/ Should the voltage be too high in just one phase, Fronius inverters can reduce the power in this phase while feeding more energy into the grid in the other two phases. This targeted asymmetrical feed means there is no loss of energy and the grid voltage is improved.

/ Battery Charging Systems / Welding Technology / Solar Electronics

## WE HAVE THREE DIVISIONS AND ONE PASSION: SHIFTING THE LIMITS.

/ Whether Battery Charging Systems, Welding Technology or Solar Electronics - our goal is clearly defined: to be the technology and quality leader. With around 3,000 employees worldwide, we shift the limits of what's possible - our more than 850 active patents are testimony to this. While others progress step by step, we innovate in leaps and bounds. Further information about all Fronius products and our global sales partners and representatives can be found at [www.fronius.com](http://www.fronius.com)



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