

Compliance with upcoming new requirements for grid connection (RfG)

The European Commission Regulation (EU) 2016/631 is establishing a network code on requirement for grid connection of generators (RfG in short). The new technical requirements have some changes, including the provision of reactive power, regulation of battery-systems for grid support, and necessary network system service.

The RfG will be effective as of April 27th 2019, and will mandatory for all systems with grid connection requests. But many EU member states are still working on definition of the national details, most will be based on the European Standards EN50549-1/-2 or Germany VDE-AR-N 4105 and VDE-AR-N 4100.

Growatt is prepared for the European network codes RfG

Growatt is working intensively on implementing the new requirements, and based on the code drafts published so far, All Growatt inverters' hardware complies with the new regulations.

A firmware update will be required, and is expected to be ready before the new code takes effect. During the transition period, it will be possible to select and install the latest firmware version.

For inverter firmware update, we have 3 solutions:

1. If inverter is monitored online (all types list below), then this inverter firmware can be update online remotely.
2. All inverters can be update locally with ShineBus software via laptop.
3. If inverters with a USB port (MAX, SPH, SPA series), then firmware can be update locally with a USB disk.

Note: For inverter 3600-6000 MTL-10, 4000-6000UE, 7000-20000UE series, will no longer comply with RfG, these inverters can't be installed in European countries after 27th of April, 2019.