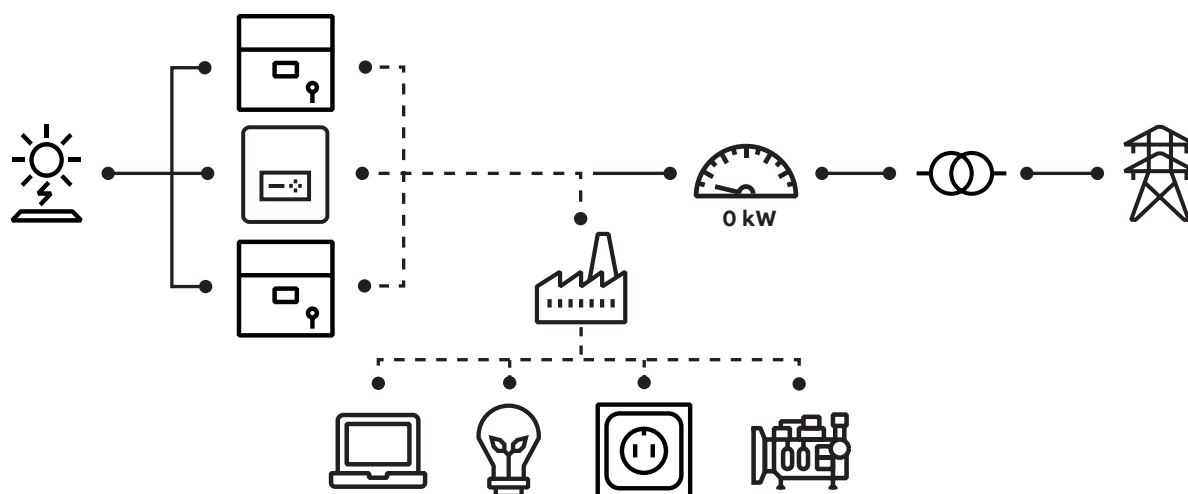


ABB Export limitation solution

The new generation of ABB string inverters is even more smart and innovative thanks to the innovative built-in distributed logic control algorithm which allows meeting export limits without the need of installing any additional system or device*.



The new innovative ABB Export limitation solution allows solar plant owners to get the maximum energy from their inverters, without needing to invest in additional external systems, and is compliant with the export limits set by grid operators and utilities worldwide. It is the only solutions currently on the market** that does not require the installation of any additional components besides PVS series string inverters and a supported and standard modbus meter, allowing for great advantage in terms of both investments and ownership costs, plant reliability and system complexity.

All PVS series string inverters come with an innovative distributed control algorithm built-in which, once quickly configured through the ABB Ability™ Installer for solar inverters set-up wizard, allows the entire plant to dynamically follow the load curves in compliance with the most restrictive regularity norms worldwide.

To get the solution properly configured and working, the supported standard meter needs to be installed at the point of Interconnection and connected to the inverters just once, by either direct RS-485 serial line, to the inverter's serial port, or over Ethernet cable, to the router of the Local Area Network to which all the inverters are connected to.

According to the specific meter installed, the new ABB export limitation algorithm can work indistinctly in small residential/small commercial installations, with just a few inverters connected to the low voltage stage, as well as in a large commercial/utility-scale plants, where up to maximum 15 units per plant are connected to the grid by middle voltage stage.

Highlights

- IP based solution
- Distributed control algorithm built-in the inverter
- PVS string inverters supported (15 units per plant)
- Just a standard Modbus meter (either RS-485 or Ethernet) needed
- System setting through ABB Ability™ Installer for solar inverter mobile app
- Fully integrated with Aurora Vision® cloud
- Both low and medium voltage connection with the grid allowed
- High performance control solution: < 2 seconds for reaching the target
- Compliant with modern regulatory norms worldwide (such as : AS/NZS 4777.2:2015, UNE 217001 IN, G100)

* With the exception of a standard Modbus meter from the ones supported.

** To date

For more information please contact
your local ABB representative or visit:

www.abb.com/solarinverters
www.abb.com

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