

AUTOMATIC GRID DISCONNECTION LICENSE BLUE'LOG XC



Item no. 557010

BACKGROUND

Dynamic active power control is a key feature for achieving zero feed-in (zero export) in energy systems. The blue'Log XC already offers robust controller tuning options to support this functionality. However, in some regions, regulations may require the addition of a backup disconnection device, such as a contactor or circuit breaker, to further ensure compliance. If your installation uses a backup disconnection device, the "Automatic grid disconnection license blue'Log XC" is required.

LICENSE DESCRIPTION

This license is a software extension that enables a blue'Log to disconnect a PV system from the grid when predefined thresholds are exceeded or in case of a power control failure (setpoint failure, inverter failure, or meter failure).

This function is managed via a digital output (24 V DC). When the configured threshold value is exceeded for a specified period of time, the digital output activates the disconnection. Reconnection occurs only after the power remains below the configured threshold for a defined period of time. If the automatic grid disconnection is configured as the fail-safe operation mode, it activates the digital output in case of a power control failure.

FEATURES

- + Activate or deactivate a blue'Log digital output in case of a power control failure
- + Activate or deactivate a blue'Log digital output based on predefined power thresholds for grid disconnection and reconnection
- + Configure a delay to prevent unnecessary or premature switching

REQUIREMENTS

- + **Meter/power analyzer and inverters:** Required if disconnection and reconnection depend on power levels and not just fail-safe operation. The meter must support power control functionality. See [Compatibility check](#).
- + **Firmware:** Version 2.x.x or higher is required. From firmware 29.3.2 the feature can be used as the fail-safe operation mode without dependency on power levels. For versions below 2.x, contact technics@meteocontrol.com

FUNCTIONAL PRINCIPLE

