

Generator auto start/stop

There are many ways to automatically start and stop a generator using Victron equipment:

1. potential free relay in a BMV-700. Start the generator on low battery voltage and/or low battery state of charge. See the [BMV-700 manual](#) for configuration.
2. potential free relay in our Inverters, Multis and Quattros, using the Virtual switch
3. potential free relay(s) in our Inverters, Multis and Quattros, using the [Generator start/stop Assistant](#)
4. (Expected in October 2015) [Automatic start stop from the Color Control GX](#)

It is also possible to combine above mentioned methods, by wiring the open contacts in parallel to each other.

Starting a genset with three-wire interface

To start such a genset, our the open/close contact needs to be converted into a start and stop pulse. Below solution, using standard available timing relays, does exactly that: when the open/close contact closes it generates the start pulse, and when the open/close contact opens again it generates the stop pulse.

Note that this solution should only be used on generators that do have a control panel monitoring and automatically stopping on loss of oil pressure and other sensors. In other words: do not wire this directly to the starter motor and fuel solenoid.

[add image with block diagram]

[add image with wiring diagram]

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