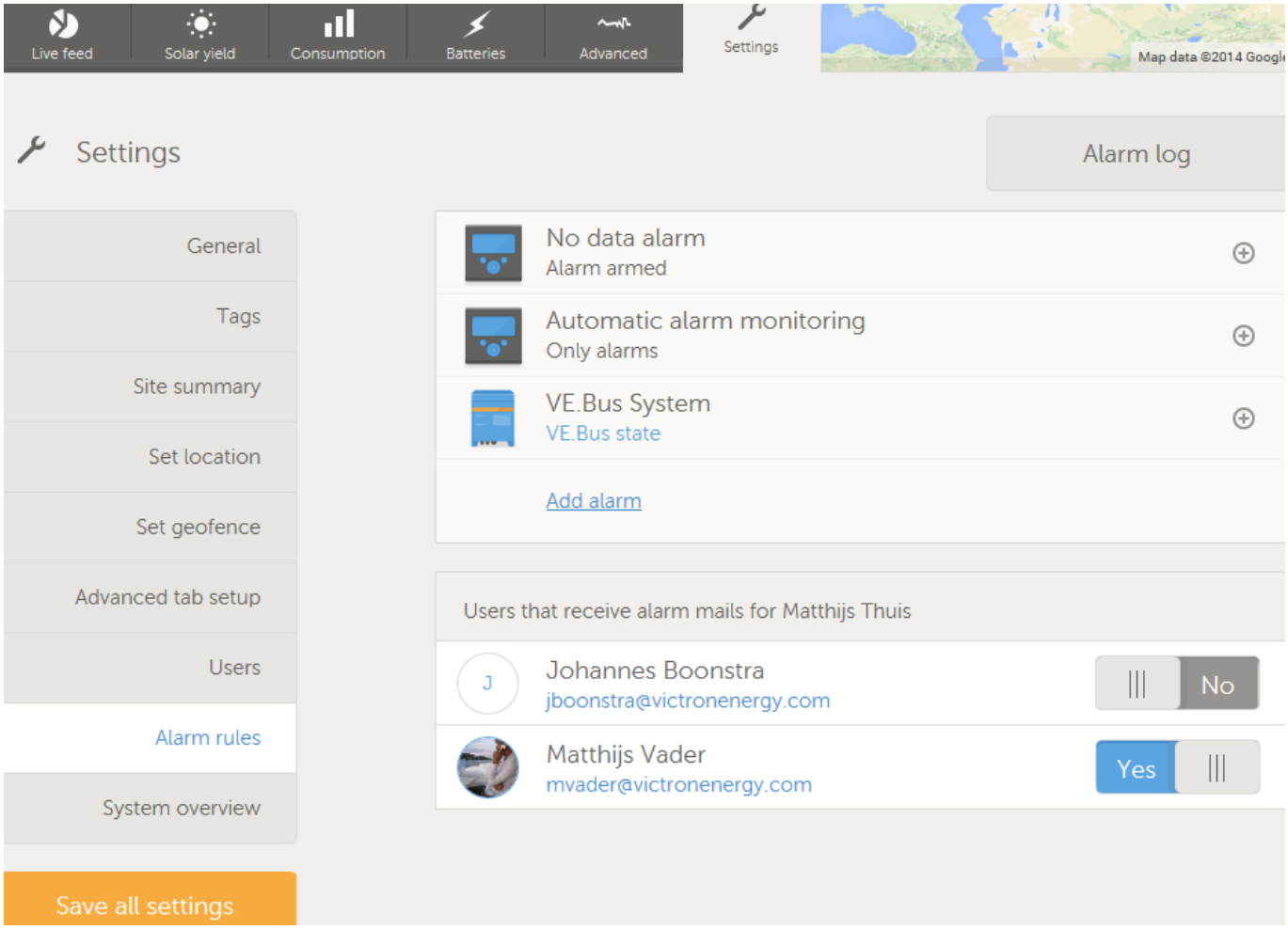
VRM Portal alarms and monitoring

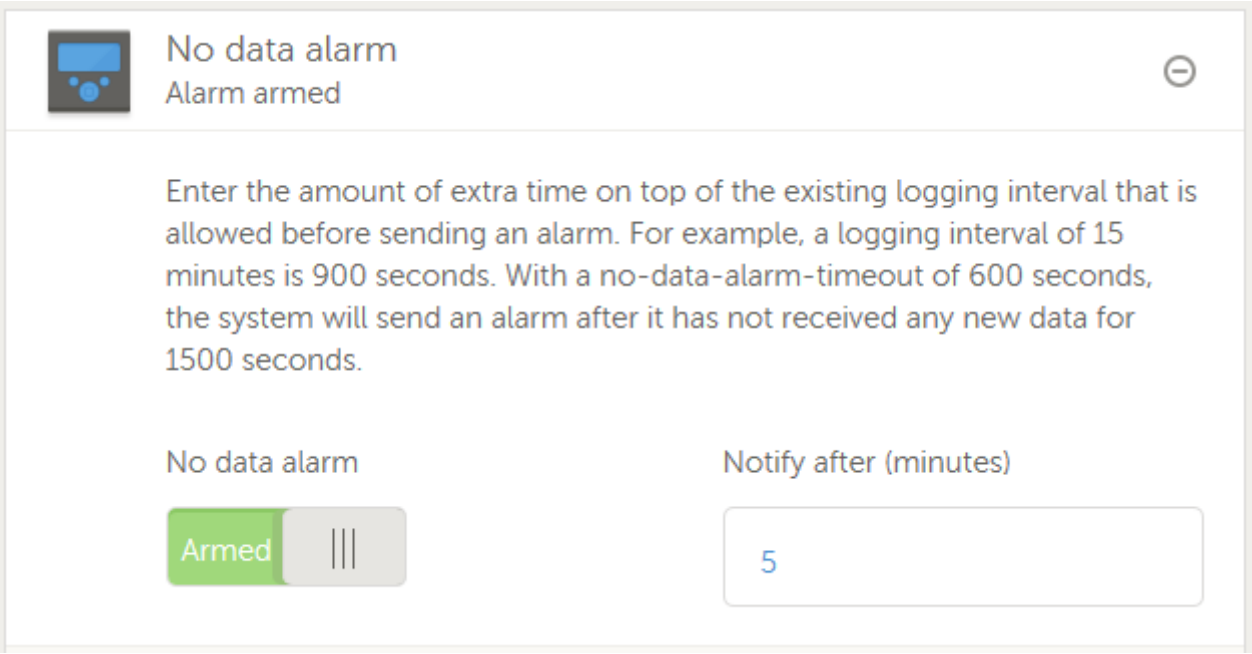
The VRM Portal constantly watches over your system and can inform by email if something is amiss. There are four categories of monitoring:

- The no data alarm: monitors connection between the Portal and the Victron installation
- Automatic alarm monitoring: monitors a predefined list of parameters on all connected products
- Geofence: monitors location (requires a Color Control GX with USB-GPS)
- User configurable alarms



No data alarm

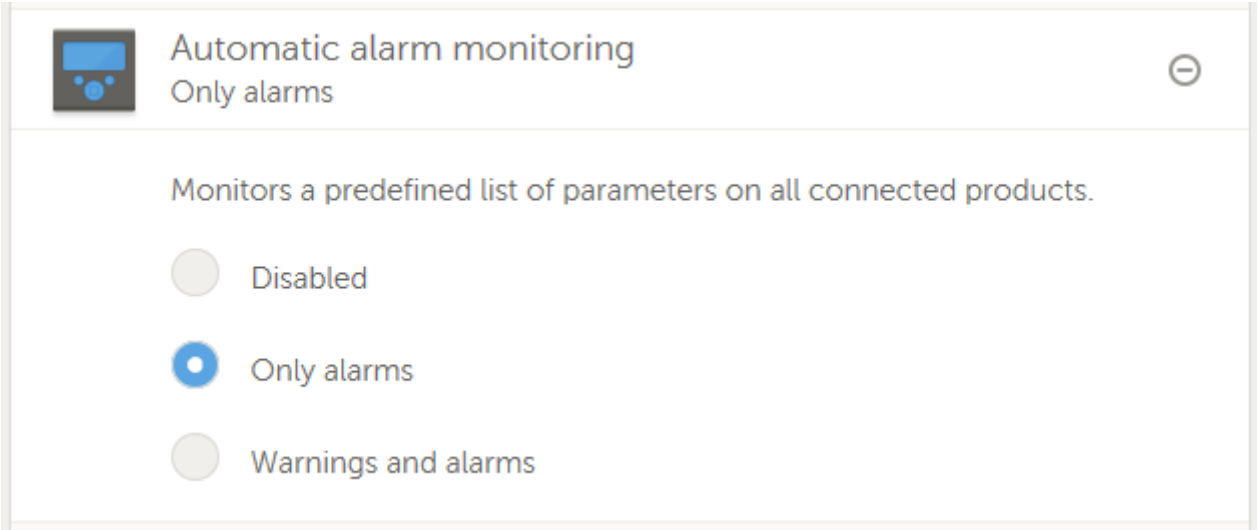
Typically used for land-based installations, such as off-grid farms and telecommunication sites.



Automatic alarm monitoring

Monitors a predefined list of parameters on all connected products. With this feature, it is no longer necessary to manually configure alarm rules for all the different parameters. An email will be sent if any of the parameters listed below enters an Alarm state, and optionally also for Warnings. A recovery email will be sent if the parameter returns to its normal value.

You can set the monitor to send an email alert for alarms only, for warnings and alarms, or disable it entirely“. The default for new sites is Only alarms:



Predefined list of monitored parameters

VE.Bus products (Multi, Inverter and Quattro)

- VE.Bus state

- VE.Bus Error
- Temperature alarm
- Low battery alarm
- Overload alarm

BMV and Lynx Shunt VE.Can

- High voltage alarm
- Low voltage alarm
- High starter-voltage alarm
- Low state-of-charge alarm
- Low battery temperature alarm (BMV-702 only)
- High battery temperature alarm (BMV-702 only)
- Mid-voltage alarm (BMV-702 only)
- Low fused-voltage alarm (Lynx Shunt only)
- High fused-voltage alarm (Lynx Shunt only)
- Fuse blown alarm (Lynx Shunt only)
- High internal-temperature alarm (Lynx Shunt only)
- Low starter-voltage alarm (Lynx Shunt only)

Solar charger

- Charger fault
- Charge state
- Equalization pending
- Alarm condition
- Low voltage alarm
- High voltage alarm
- Error code

Skylla-i charger

- Charger fault
- Charge state
- Error
- Low voltage alarm
- High voltage alarm

Lynx Ion BMS

- Error code
- Error

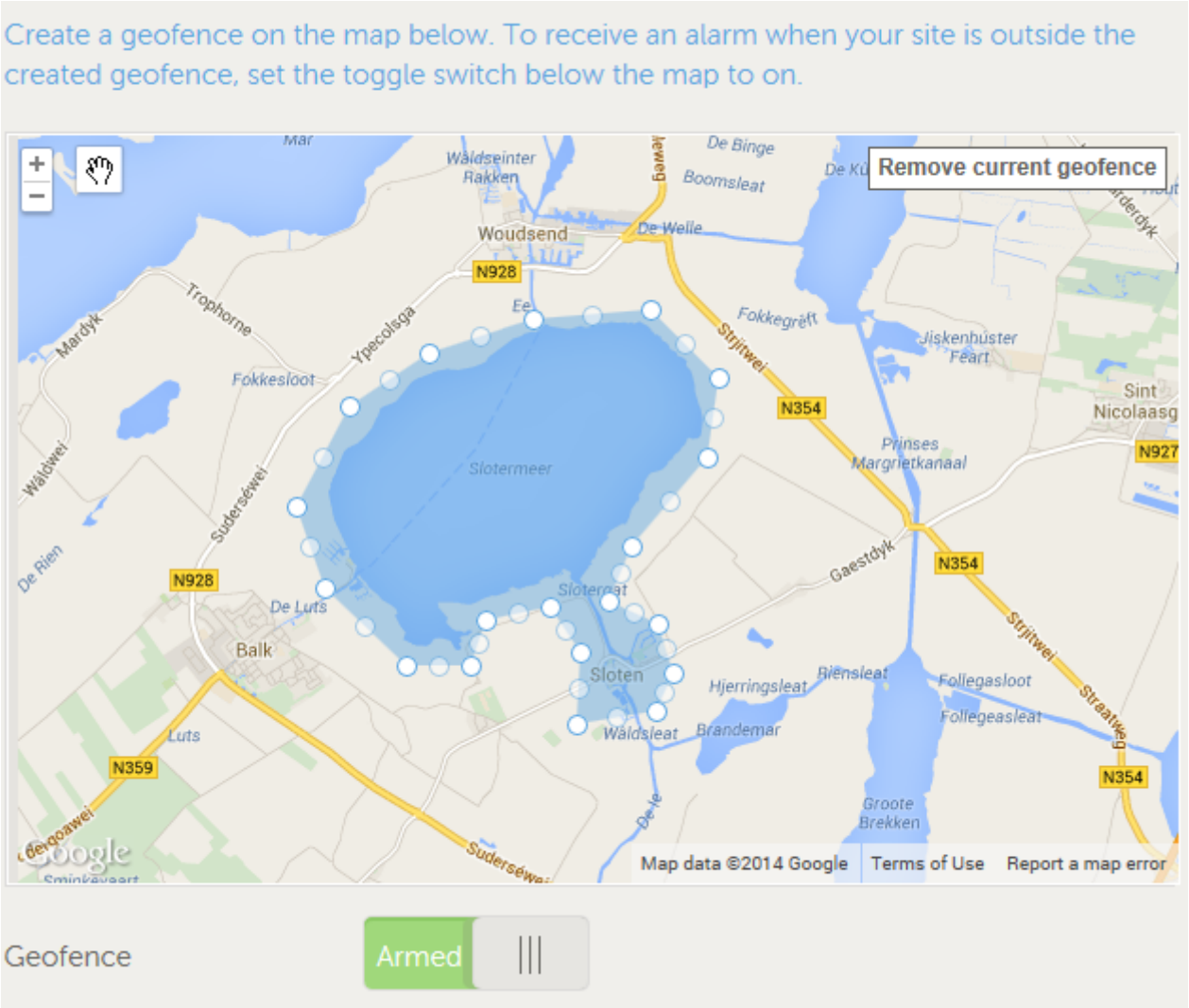
User configurable alarms

Advanced rules, including hysteresis can be configured for all parameters available in the VRM

database.

Geofence

Typically used for rental vehicles and boats. The example below shows a geofence that will give an alert when the user of the boat leaves the lake. An alarm will also be generated when the location data is no longer being received, for example when the user unplugs the GPS receiver. Use this in combination with the No data alarm for full coverage.



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