

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



The screenshot displays the VRM Portal Settings interface. At the top, a navigation bar includes icons for Live feed, Solar yield, Consumption, Batteries, Advanced, and Settings. A map is visible in the top right corner. The main content area is titled 'Settings' and features a sidebar on the left with options: General, Tags, Site summary, Set location, Set geofence, Advanced tab setup, Users, Alarm rules, and System overview. The 'Alarm rules' section is active, showing a list of configured alarms: 'No data alarm' (Alarm armed), 'Automatic alarm monitoring' (Only alarms), and 'VE.Bus System' (VE.Bus state). Each alarm has a plus icon to its right. Below the list is a link to 'Add alarm'. The bottom section, titled 'Users that receive alarm mails for Matthijs Thuis', lists two users: Johannes Boonstra (jboonstra@victronenergy.com) and Matthijs Vader (mvader@victronenergy.com). Each user has a toggle switch to enable or disable alarm notifications. A 'Save all settings' button is located at the bottom left.

Alarm Category	Alarm Name	Status
No data alarm	No data alarm	Alarm armed
Automatic alarm monitoring	Automatic alarm monitoring	Only alarms
VE.Bus System	VE.Bus System	VE.Bus state

User	Email	Alarm Status
Johannes Boonstra	jboonstra@victronenergy.com	No
Matthijs Vader	mvader@victronenergy.com	Yes

No data alarm

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

 **No data alarm**
Alarm armed 

Enter the amount of extra time on top of the existing logging interval that is allowed before sending an alarm. For example, a logging interval of 15 minutes is 900 seconds. With a no-data-alarm-timeout of 600 seconds, the system will send an alarm after it has not received any new data for 1500 seconds.

No data alarm

Armed

|||



Notify after (minutes)

5

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:

 **Automatic alarm monitoring**
Only alarms 

Monitors a predefined list of parameters on all connected products.

☐ Disabled

☒ Only alarms

☐ Warnings and 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

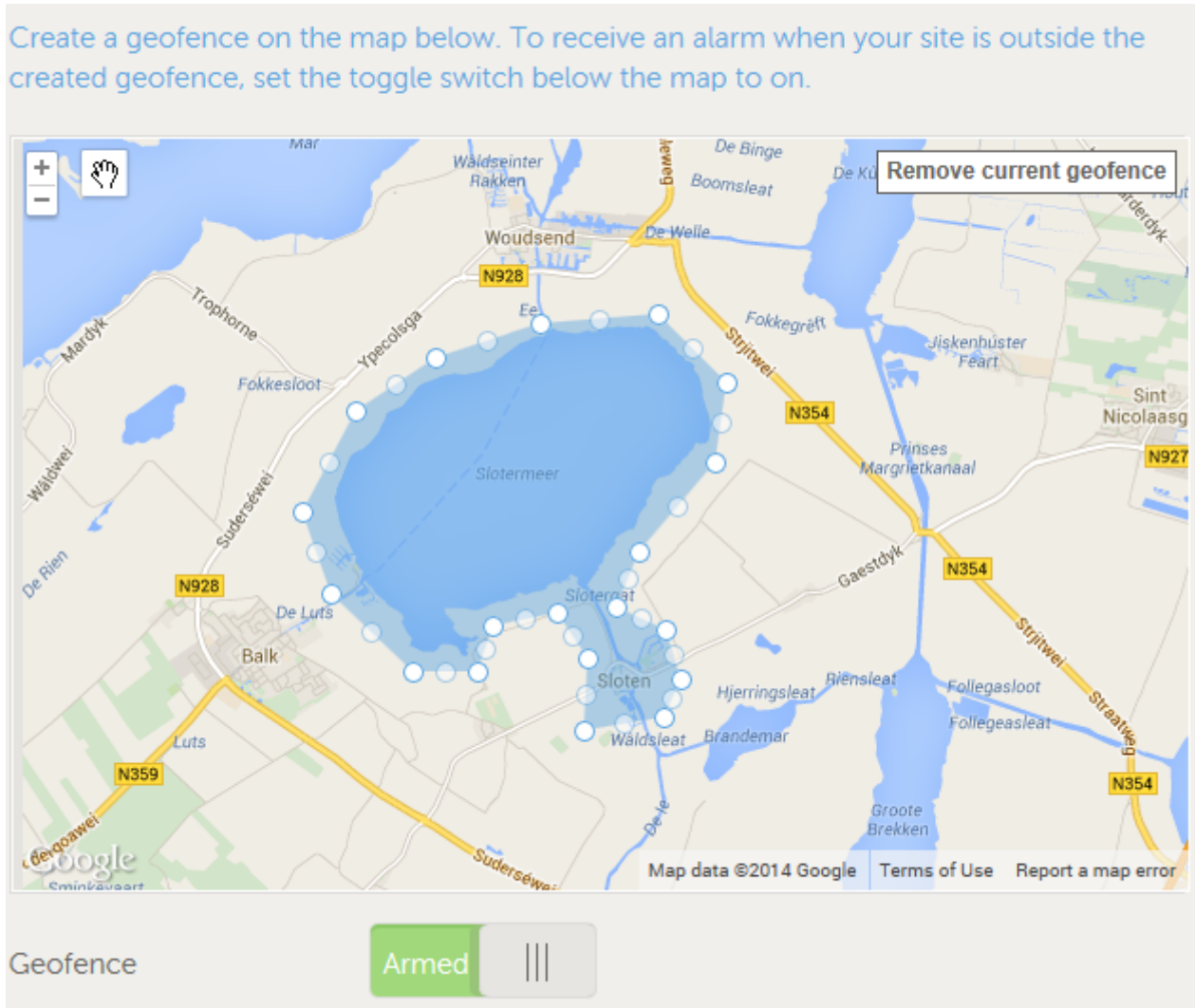
User configurable alarms

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.



~~DISQUS~~

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