

Monitoring and optimization of the performance of a solar kit

BLUETOOTH & WIFI

Panels and system monitoring



This course will teach you how to configure, use, and operate VRM to provide effective monitoring and prevent failures. Whether you are a technician or an energy manager, you will discover a key tool to maximize the performance of your Victron systems.



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Course objectives



Track performance

Master the monitoring tools for your solar kit.



Optimize yield

Improve the energy efficiency of your installation.



Preventive maintenance

Anticipate maintenance needs to extend the life of life.



Connected apps and platforms



Remote monitoring

Access system data from anywhere.



Custom alerts

Notifications when anomalies are detected.



Data analysis

Optimization based on production history.

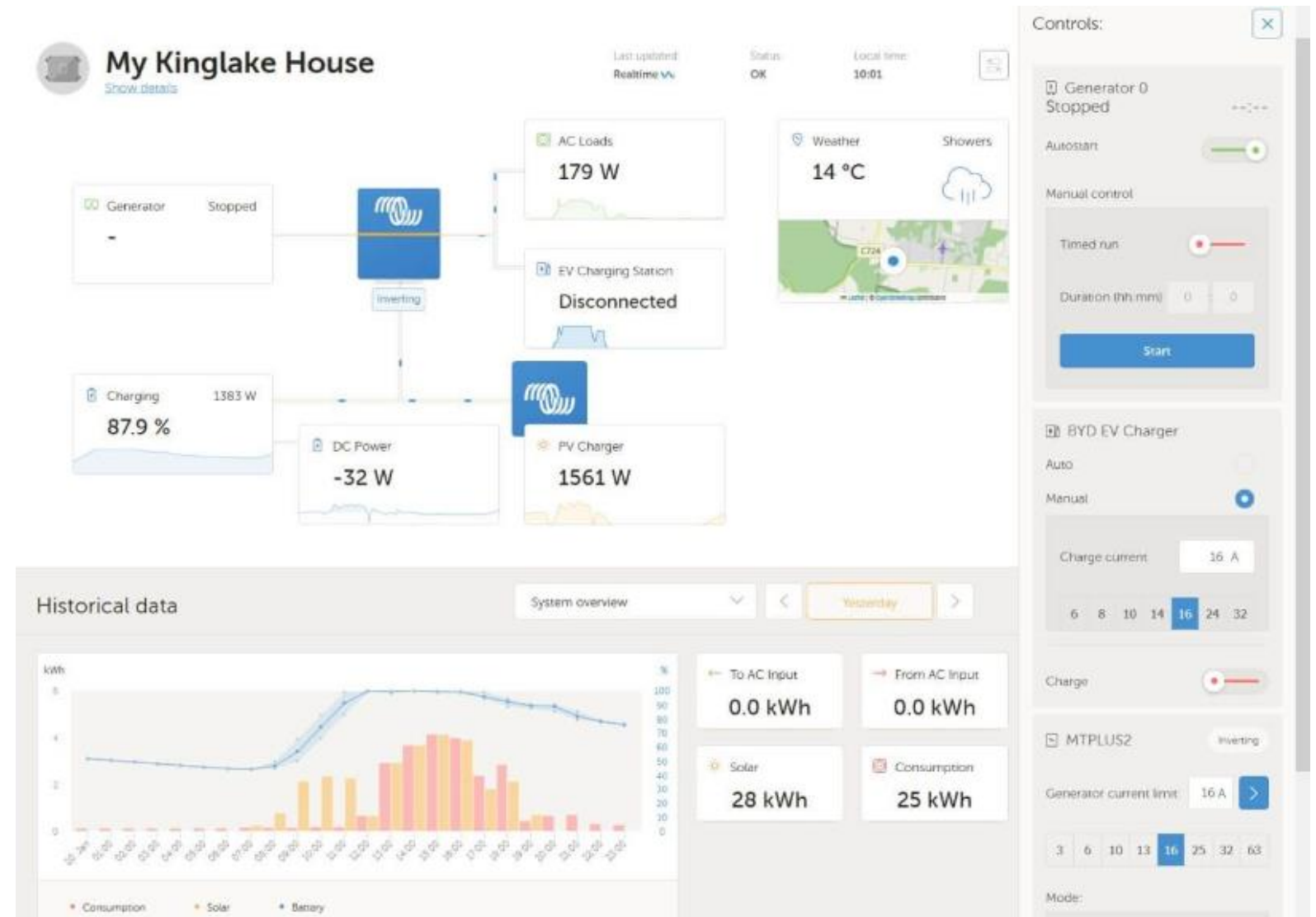


Popular solutions: VRM (Victron), FusionSolar (Huawei), Growatt and SMA applications.

Introducing VRM

What is VRM?

- Online platform to monitor and optimize Victron solar systems.
- Provides access to real-time data and complete history.
- The VRM interface allows you to visualize all the data of your system.



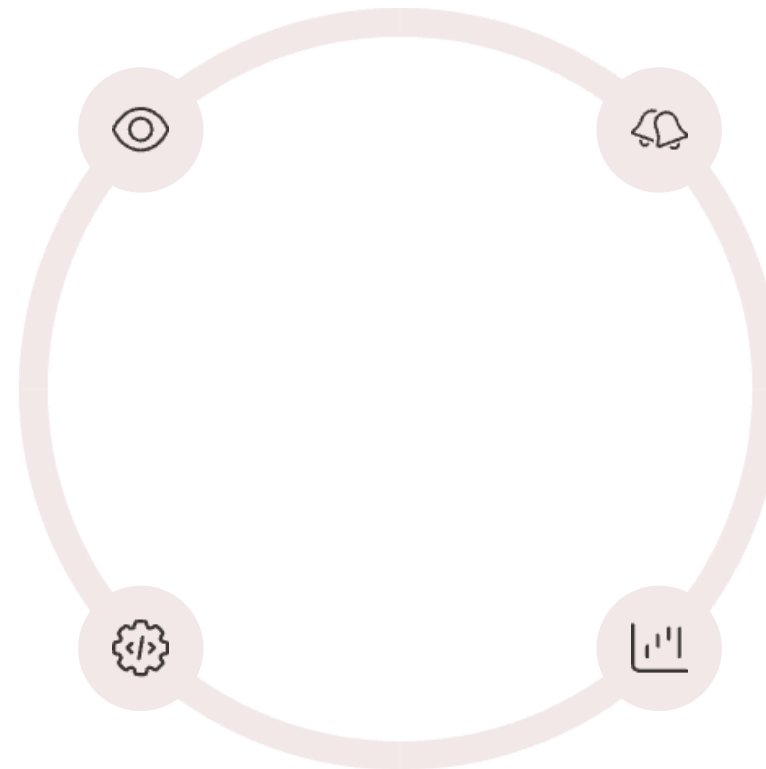
VRM Features

Real-time monitoring

Instant visualization of production and consumption.

Remote Control

Changing settings without physical intervention.



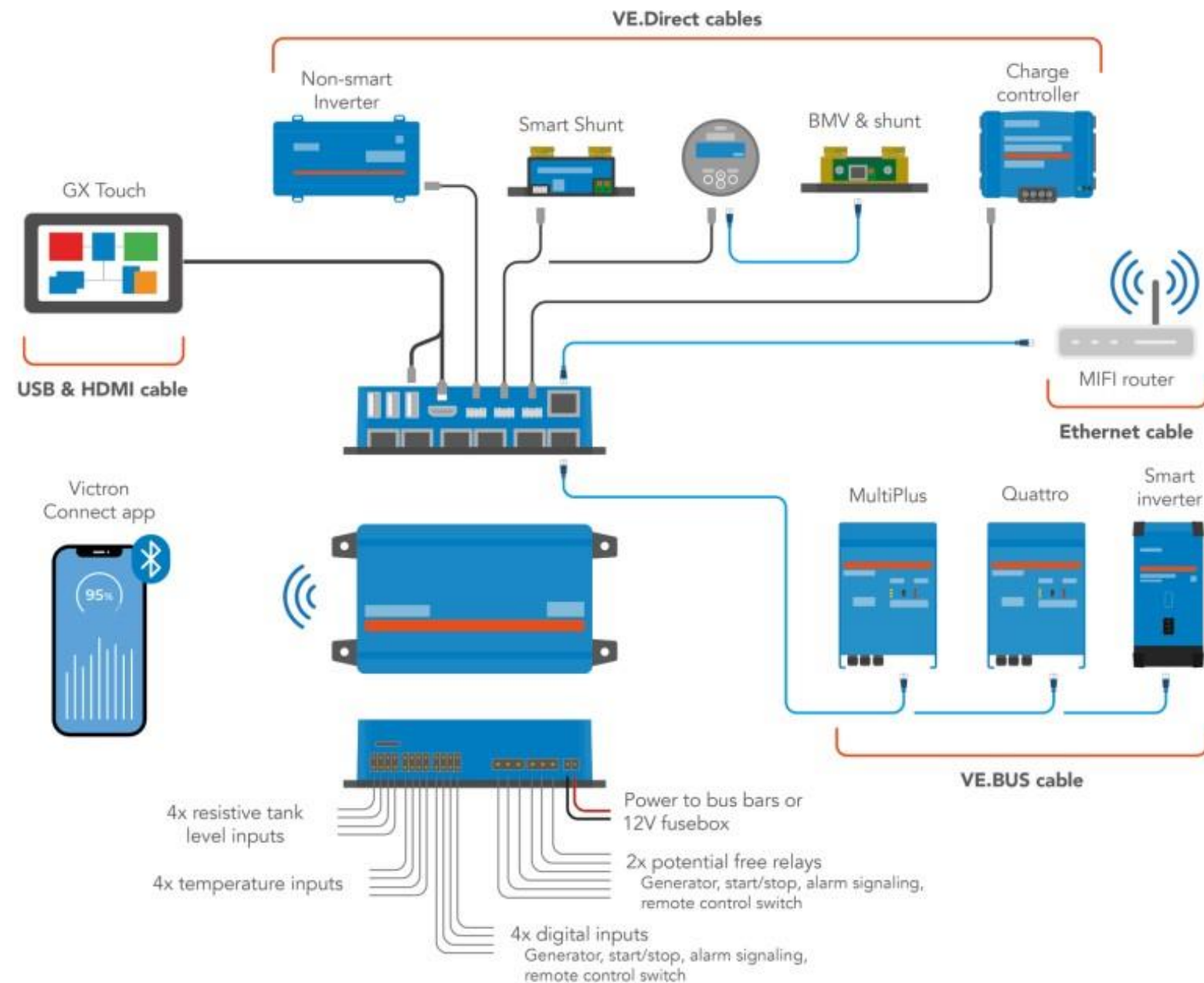
Alerts and notifications

Configure custom alert thresholds.

Performance Analysis

Detailed reports to identify trends.

Connecting the System to VRM



Compatible equipment

Install a communication device (Cerbo GX, Color Control GX, Venus GX).

Internet connection

Connect the device to the network via Wi-Fi, Ethernet or 4G.

Account creation

Register on the VRM Portal platform and register the installation.

Optimization with VRM



Identify losses

Analyze reports for energy inefficiencies.



Adjust settings

Adjust battery configurations and of the inverter.



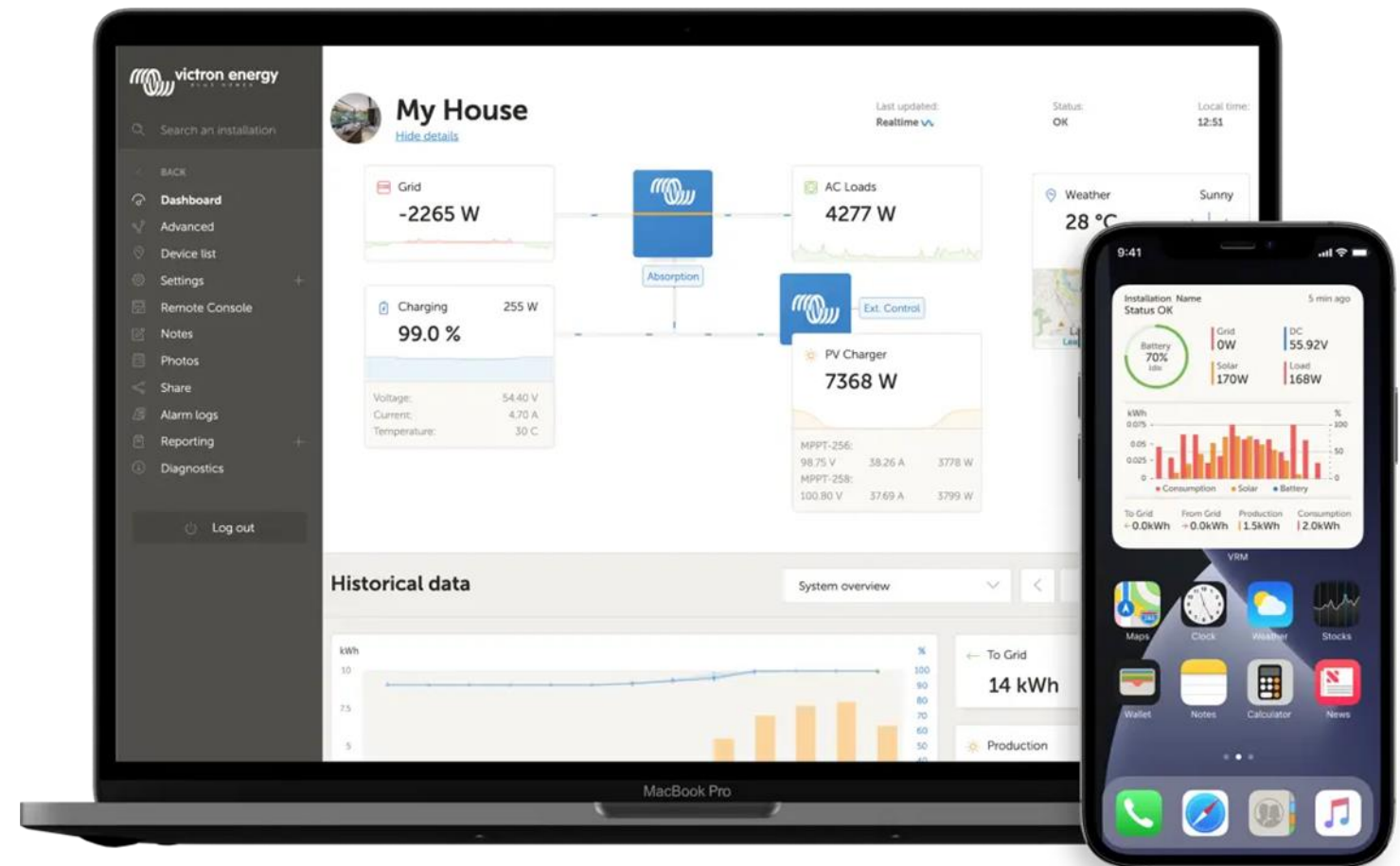
Set up alerts

Set up notifications for Malfunctions.

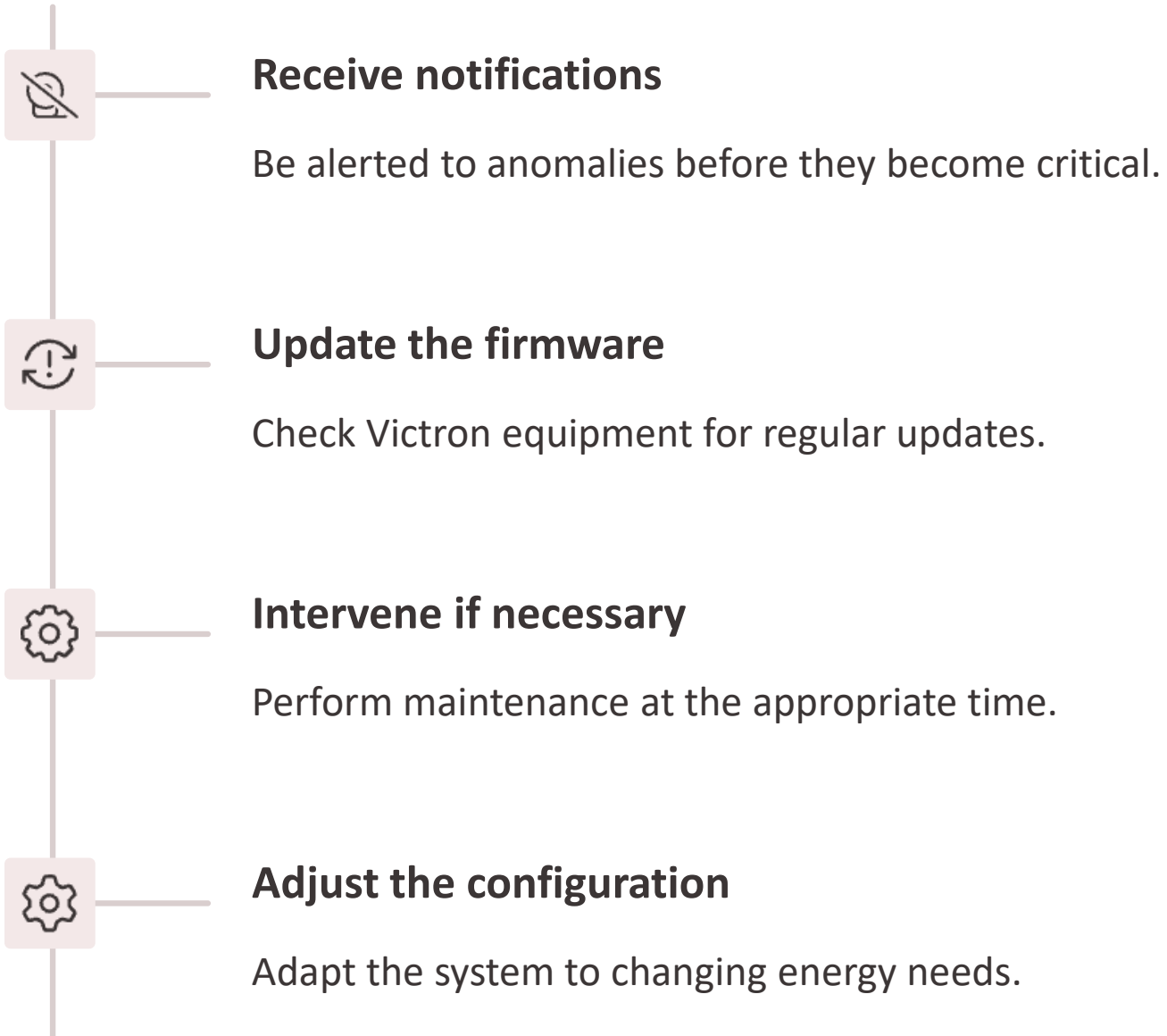


Schedule actions

Automate certain tasks to optimize efficiency.



Maintenance proactive



Conclusion and benefits



Return on investment

Maximizing energy savings.



Performance optimale

Improved fuel efficiency.



Increased Durability

Extended component life.

Monitoring and optimization are essential to ensure the effectiveness of your solar kit.
VRM is a powerful tool for monitoring, analyzing, and tuning performance in real time.

