

# Battery *supervisor*



## Monitoring and Diagnosis Service for UPS batteries

Improve reliability of your equipment with  
battery monitoring

- ▶ **Block by block monitoring**
- ▶ **Accurate and optimised  
diagnosis**
- ▶ **Outstanding value for money**



[www.mgeups.com](http://www.mgeups.com)

THE MERLIN GERIN KNOW-HOW

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UPS SYSTEMS

*Nothing will stop you now*

## ► Enhancing battery reliability through block by block monitoring

Battery *supervisor* is the block by block monitoring and diagnosis service for batteries, one of the main components of the **MGE PowerServices™** offer.

The service involves installing the Battery *supervisor* on your site.

This product supplements the global battery management system already integrated in MGE UPS SYSTEMS units.

It enhances your installation's reliability by continuously monitoring the direct voltage from each 12V block, together with room temperature.



Reduced cabling: 1 wire per block

It measures the battery voltage block by block and compares it with the reference value that is set for each status in the battery cycle: charging, holding charge and discharging.

When one of the voltages falls outside the permissible voltage range, this means that the battery has an anomaly and Battery Supervisor logs the faulty battery block number. It triggers a local alarm.

This alarm can be transmitted by Teleservice to the MGE UPS SYSTEMS telemonitoring centre.



Data input electronic PCB-16 channel

## ► Diagnosis optimisation and rapid fault correction

In the instance of an alarm, and on your request, an MGE UPS SYSTEMS service engineer will be called out to your site. He will carry out a precise diagnosis analysis using specific maintenance software, taking the necessary measures to correct the observed fault.



Keyboard and display

## ► A unique and inexpensive service:

The Battery *supervisor* service is available in two forms:

- **Annual Battery Supervision contract** including the provision of Battery Supervisor and monitoring of your batteries
- **Purchasing of Battery *supervisor***, and the monitoring services included in **MGE PowerServices™** contracts

For optimum safety, this offer can be supplemented with a battery replacement and renewal contract.

The general terms and conditions relating to both these offers are available from MGE UPS SYSTEMS specialists.

## Technical characteristics

### Monitoring:

- up to 72 x 12V blocks per unit (1 to 4 chains)
- combinations possible (2, 6 and 12V possible)
- possible monitoring on one single block
- liquid crystal display : Block number, Voltage, Charge/Discharge, Temperature
- logging of measurements outside of tolerances

### Alarm:

- temperature and voltage outside of tolerances-programmable floating and discharge window)
- programmable floating and discharge window
- voltage and temperature alarm indicators by LED + Dry Contact

### Power supply:

- 220-240V 50 Hz or by internal battery in the event of loss of power-autonomy 24h

### Wall bracket

**Dimensions:** L 500 x H 450 x P 325 mm

**Weight:** 27 Kg



## MGE UPS SYSTEMS

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