

## **SOCOMECS UPS presents the BHC system: long life for UPS batteries**

*SOCOMECS UPS, a leader in power supply solutions for critical applications, has designed and developed BHC (Battery Health Check), an advanced stand-alone system for monitoring UPS batteries. Available in the Universal version (for all brands of UPS) and the Interactive version (only for selected SOCOMECS UPS models), BHC performs a preventive and curative function, ensuring maximum protection of business continuity*

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Batteries are a key element of UPS systems. Their efficiency and availability are important for preventing load downtime, but at the same time batteries are the most vulnerable and failure-prone component of such systems. Therefore, adequate maintenance is essential to guarantee continuity of operations.

Many UPS manufacturers recommend changing the entire battery pack or even the UPS itself once the batteries are flat. In keeping with its commitment to safeguard the environment, SOCOMECS UPS, a leader in power supply solutions for critical applications, has designed and developed a system that ensures longer battery life and their prompt replacement when necessary.

Called BHC (Battery Health Check) Universal and Interactive, it is a stand-alone monitoring system that continually detects battery status and enables preventive and curative maintenance operations, ensuring maximum UPS reliability.

BHC Universal can be connected to any brand of UPS. Its main features are:

- monitors up to 7 battery systems of 6 strings each,
- scans the current per string, block voltages and ambient temperatures every 10 seconds,
- thanks to the graphic touch screen and general status bar, the data (condition, discharge, measurements, alerts, statistics, historical data, etc.) is displayed and stored as coloured tables,
- can connect to a LAN network for access to all functionalities and remote display of information,
- depending on the analysis performed, automatically generates different alert levels (block preventive alerts, battery string preventive alerts, etc.) which are shown on the touch screen and sent to the user via e-mail or SMS.

The result is continual battery scanning that simplifies maintenance operations. The location of weak blocks, highlighted in red or orange depending on criticality, and the storage of data in a database, allow for targeted maintenance scheduling or planned replacement of the battery, if necessary.

BHC Interactive, available for the *DELPHYS GP* and *DELPHYS MX* models, has all the features of Universal and, due to continuous interaction with the UPS, also maximises battery lifetime. BHC Interactive operates directly with the battery charger (EBS), sending it the information collected and enabling the recharge parameters to be adapted automatically.

Owing to complete interaction between BHC and the UPS, when blocks weaken an automatic procedure can be performed to recover them before they are totally unusable, and to enhance global battery capacity.

## Company Profile

**SOCOME Group** is an independent manufacturer specialising in the distribution, control and quality of power supplies serving low-voltage electrical networks, industry and the services sector.

Created in 1922, the industrial group has developed two business areas: Trip and Low Voltage Protection Systems (circuit breakers, circuit breakers with fuses, switches, safety circuit breakers, electronic control and protection devices, boxes, cabinets etc.) and UPS systems (uninterruptible systems, load transfer modules, rectifiers-battery chargers, harmonic compensators).

With 23 subsidiaries throughout the world, 9 industrial sites (France, Italy, Tunisia, India, China) and a 383 million turnover, SOCOME Group combines technological innovation and technical know-how with high-quality pre- and post- sales services.

SOCOME UPS, part of the group, is a leading company in the business continuity sector. It is the ultimate representative in terms of the following applications: ICT, Data Centres, Healthcare, Transport, Industry, Commerce, Public Administration and Finance, devising efficient, reliable and scalable solutions.

SOCOME-branded UPS systems offer high performance levels and save a considerable amount of energy. The company observes the European Commission's Code of Conduct by adopting its best practices while participating in the UN Global Compact initiative; it has also signed up to the Green Grid association.

For further information: [www.socomec.com](http://www.socomec.com)