

BATTERY MONITORING UNIT

# ACCESS BATTERY MONITORING UNIT



**MICROPOWER GROUP™**  
POWERFUL SOLUTIONS PARTNER



# BATTERY MONITORING UNIT

## What Does The BMU Do For Your Business?

The BMU provides monitoring for your entire battery fleet. The small and compact design makes it easy to mount and install on the battery and lasts for the battery's entire lifetime. The BMU measures current, voltage, voltage balance between cell groups, temperature and electrolyte level. The temperature monitoring is a mandatory input to the charger for fast and opportunity charging. By monitoring the battery, the best suited battery for the daily operations can easily be selected, optimizing the daily routine thus reducing time and costs.

When used with any Micropower Access charger the BMU handles the configuration of the charger directly. The BMU indicates the charging capacity as well as cycle life – providing businesses with information for efficient and long-term usage of batteries. The BMU creates statistical information, that are accessible wirelessly from the BMU mobile application through Android phones or the Access Service Tool which can easily be connected to any PC. The collected data can be downloaded and transformed into graphs and used battery fleet planning.

## Improved Features

The BMU comes with additional features such as state of charge indicator makes it possible to maximize the battery potential by using it until charging is actually necessary. The time and date settings have been upgraded with real backup– eliminating the risk of statistical logs errors. The BMU sensors have been replaced with new nail connectors preventing acid intrusion. It also provides different current sensor solutions up to >300A.

## NFC Technology

Using a BMU has never been easier. Through Near Field Technology the collected data from the BMU can be accessible through any Android phone. By downloading the BMU mobile application, employees only need to select battery and access the data directly in their hand. The BMU mobile application increases accessibility and saves time – leaving more time for work.

## BMU Models

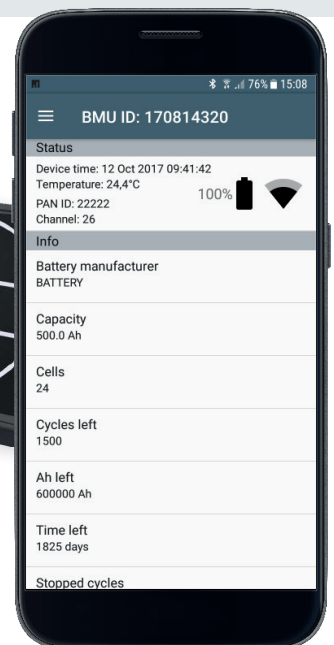
The BMU comes in various models to match any lead/acid battery fleet, flooded or dry batteries, soldered or bolted connectors.

Supply voltage	20–125V
Center voltage sensors	±125 VDC
Electrolyte sensors	±125 VDC
Current sensor, continuous	300 A, DIN cell version 150 A, 35 mm <sup>2</sup> external cable version 260 A, 95 mm <sup>2</sup> external cable version
Accuracy	Current: 0.5 % or 100 mA within calibrated area Voltage: 0.1% or 20 mV within calibrated area Temperature: 1°C
Ingress protection	IP65

*BMU connected with  
a smartphone via NFC*



The BMU is UL classified



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