

GNB PRO

Battery Protection

PROTECTING YOUR BATTERY

The availability of traction batteries is one of the key elements for an efficient intralogistic flow.

Increase Efficiency

With GNB PRO it is possible to continuously monitor the batteries which allows to analyze the utilization and work load of the truck and battery fleet. Consequently, the efficiency of intralogistic flows will be increased.

Decrease Costs

Moreover, batteries can be protected from negative influences like high temperatures, low electrolyte level and deep discharges. As a result, invest and operating costs will be decreased significantly.

Features



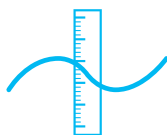
Current measurement (A)



Voltage measurement (V)



Real-time clock



Electrolyte level-sensor



Temperature probe



Wireless data read-out



GNB PRO

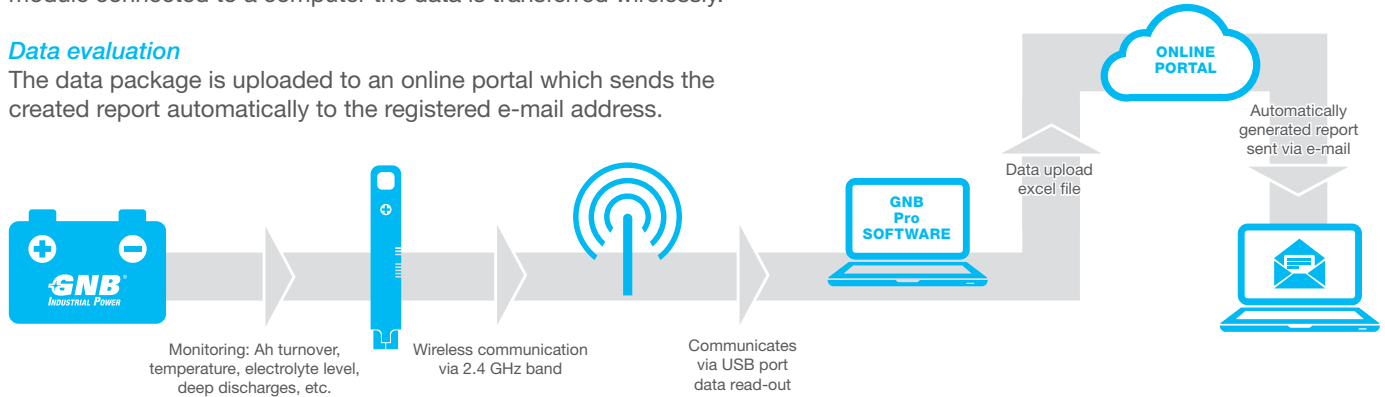
Protecting your battery

HOW IT WORKS

The GNB PRO main unit is mounted on top of the battery. By using the receiver module connected to a computer the data is transferred wirelessly.

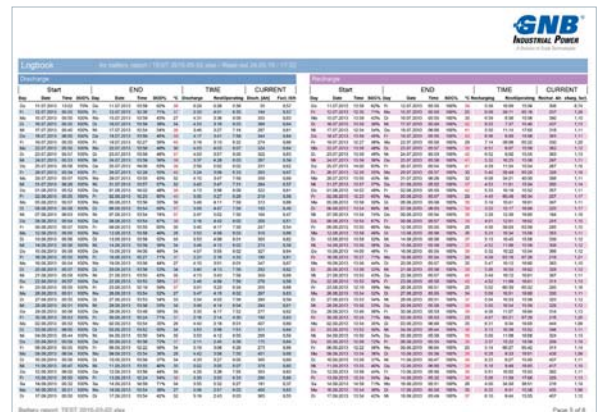
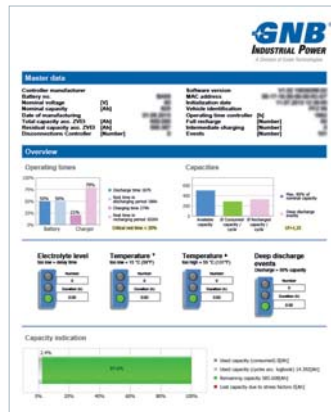
Data evaluation

The data package is uploaded to an online portal which sends the created report automatically to the registered e-mail address.



Standard Reporting

- > All important battery data at one glance
- > Average operating time per cycle
- > Average discharged ampere hours per cycle (Ah)
- > Events (temperature too high/ electrolyte too low/ deep discharges)
- > Detailed cycle information (discharging and charging)
- > State of health analysis



Basic technical data

- > Supply voltage 18 – 120 VDC
- > Current energy consumption max. 60 mA at 18 VDC
- > Operating temperature -10° up to +60°C
- > Protection class IP65 according EN 60529
- > Shock- and vibration proved acc. IEC 68-2-6 & IEC 68-2-28
- > Resistant against sulfuric acid ≤ 1.40 kg/L
- > Dimensions LxWxH: 200x25x42 mm
- > Status LEDs (details see image)

