

BENNING

World Class Charging Systems



BATCOM basic

Battery controlling
easy and economical



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One of the most important components of the forklift truck still remains the battery. The percentage of trucks and batteries in leasing and rental business, particularly with long run time warranties, increases more and more. In this kind of project business very little of any information is available from the battery. The battery controller BATCOM basic was developed, in order to eliminate exactly this information deficit. BATCOM basic receives, stores and transmits important operational data and conditions of the battery.

The assembly is very simple, without programming and special tools.

The mechanical design is very compact and well adapted to constant use in tough operational conditions on the battery. The data transmission via radio ensures a secure and interference free communication with the TEBETRON expert and the PC/Laptop.

BATCOM basic is equipped with a sensor for measuring low electrolyte level as well as with a temperature sensor for the measurement of the battery temperature.

In combination with the TEBETRON expert charging system the BATCOM basic is specially suited for use on batteries operating with varying temperatures, e.g. in cold-stores or facilities with in and outdoor use of the trucks.



Special features and benefits

- **Interference free data transmission by radio**
 - No connection cables to the controller required
- **No programming necessary**
 - Quick and easy start-up
- **Display of over temperature via LED**
 - Indication of a hot battery, thereby specific counter measures are possible by the user in order to achieve the maximum life time of the battery.
 - *Temperature controlled charging process in combination with TEBETRON expert charger*
 - *Ideal for cold-stores*
- **Display of low electrolyte level via LED**
 - Optimised service interval, refill of water only if needed
 - *Indication on TEBETRON expert chargers by optional blue LED possible*
- **Display of battery capacity as well as indication of the functions via LEDs**
 - Simple and fast information for the user about the current condition of the battery.
- **Compact design**
 - Fits on any traction battery
- **Degree of protection IP 67**
- **Easy installation without special equipment**
- **Shock- and vibration-proof construction**
 - Designed for the hard conditions on every forklift truck
- **One device covers all major voltages**

BATCOM basic

System structure

Blue LED = low electrolyte level of the battery

Red = fault

Green = charge complete

Yellow = charge

BATCOM basic transmits its data via radio to the charger, the blue LED indicates a low electrolyte level of the battery

System structure

The BATCOM basic can be mounted easily on any kind of traction battery. The automatic voltage detection allows the operation on all standard batteries. Only one type of controller is available. This makes assembly and operation very easy.

BATCOM basic transmits its data by low cost radio technology to the corresponding TEBETRON expert charging system.

With the service software it's possible to download the battery data and events:

- Identification (can be overwritten)
- Adjusted battery voltage
- Residual battery capacity
- Operation time
- Actual battery temperature
- Electrolyte level OK?
- Deep discharges (capacity < 20 %), number and duration
- Temperature too high, number and duration
- Temperature too low, number and duration
- Low electrolyte level, number and duration
- Number of full charges
- Total charging time
- Total discharging time
- Number of opportunity charges

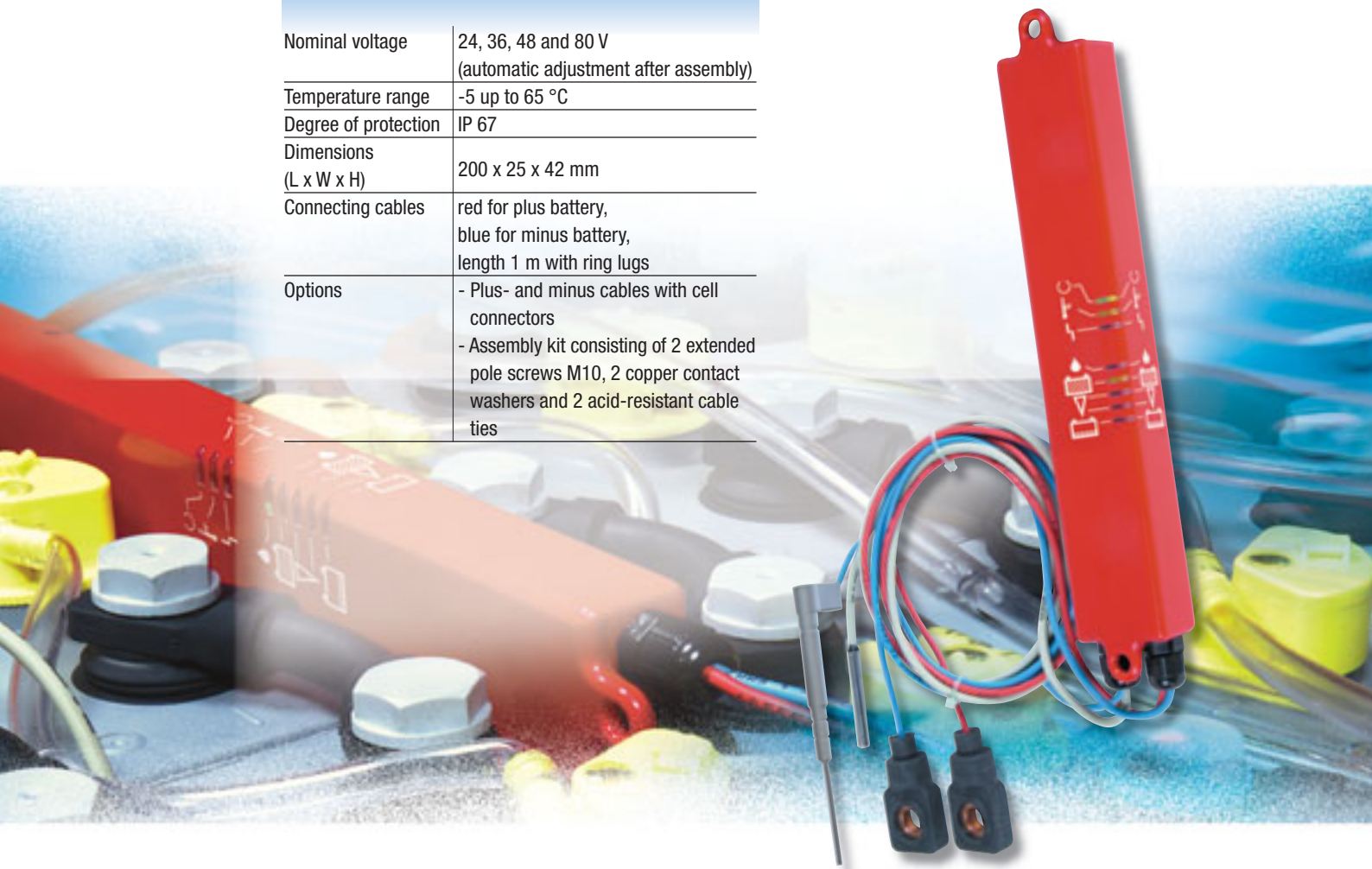


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Technical data

Nominal voltage	24, 36, 48 and 80 V (automatic adjustment after assembly)
Temperature range	-5 up to 65 °C
Degree of protection	IP 67
Dimensions (L x W x H)	200 x 25 x 42 mm
Connecting cables	red for plus battery, blue for minus battery, length 1 m with ring lugs
Options	- Plus- and minus cables with cell connectors - Assembly kit consisting of 2 extended pole screws M10, 2 copper contact washers and 2 acid-resistant cable ties



LED-Display

The LED display indicates the following:

- yellow: operation
- red: battery temperature to high
- red: fault
- blue: low electrolyte level
- green: battery capacity gauge (full)
- yellow: 
- yellow: 
- red: battery capacity gauge (empty)



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