

icon Battery Guard 4.0

▶ **Battery controller**



Energy. Endurance. Performance.

▶ Battery controller with wireless communication



In today's world it is necessary to have constant availability of your electric powered forklifts. Safe, reliable and efficient use of your traction motive power equipment is an absolute requirement.

The icon Battery Guard 4.0 records and collects all relevant data events between the lift truck, battery and charger. These recorded events can be retrieved into a computer through wireless communication via Bluetooth.

Controlling the charging and discharging activity as well as monitoring the battery temperatures and the electrolyte levels are important measures to ensure the maximum operating time of the vehicle fleet at all times. In the constantly growing leasing and rental business, recording the battery data and monitoring the battery condition is critical.

In order to measure the battery current, the icon Battery Guard 4.0 has a current measuring head, which can be opened and fitted to any flexible inter-cell connector or termination lead. The overall voltage measurement with automatic voltage detection (range 18 - 150V DC) is performed on the pole terminals of the battery.

The sensors for battery temperature and electrolyte level control are wired to the icon Battery Guard 4.0. The temperature probe is inserted between the center cells of the traction battery and the installation of the electrolyte level sensor is achieved by inserting the temperature probe through a drilled hole on the top of the cell's cover.

SYSTEM FEATURES

- ▶ **Intelligent current measurement** - by using an easily mountable current measuring head.
- ▶ **Wireless communication via Bluetooth** - the relevant operating data in the interaction between industrial truck, traction battery and charger can be recorded, stored and retrieved.
- ▶ **High storage capacity** - storage of more than 4.000 discharge and charge data events with date, time and duration.
- ▶ **Status display** - large status display with programmable status information.
- ▶ **Digital display** - customizable content display e.g. voltage, current, charge state, temperature, last charge, fault information.
- ▶ **Robust housing** - shock and vibration tested.



Optional:
also available without a current measuring head.

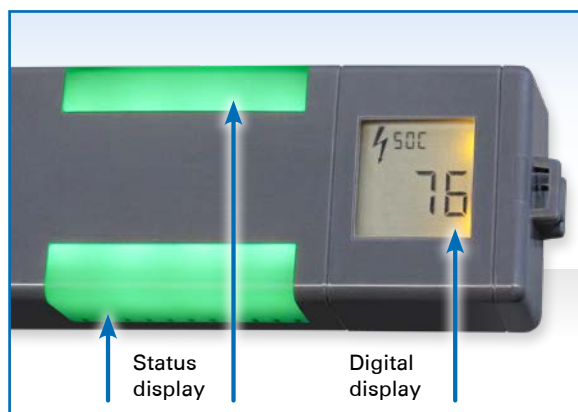
- ▶ **Easy Installation** - no special tools required.
- ▶ **Easy retrieval and processing of stored data:**

Readout through the wireless interface with Bluetooth.

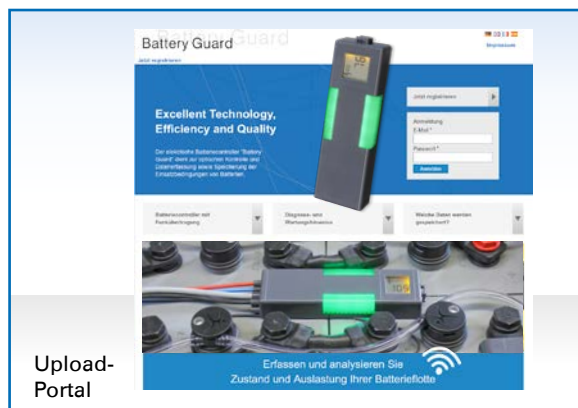
Data transfer to a laptop / PC.

Data transmission within the customer's own network.

- ▶ **Intelligent Reporting** - your saved data can be uploaded to the Internet. Your individual report is generated from this data.



- ▶ **info Battery Guard software** - for individual programming of the controller and management of the data.



Upload-Portal



Report



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