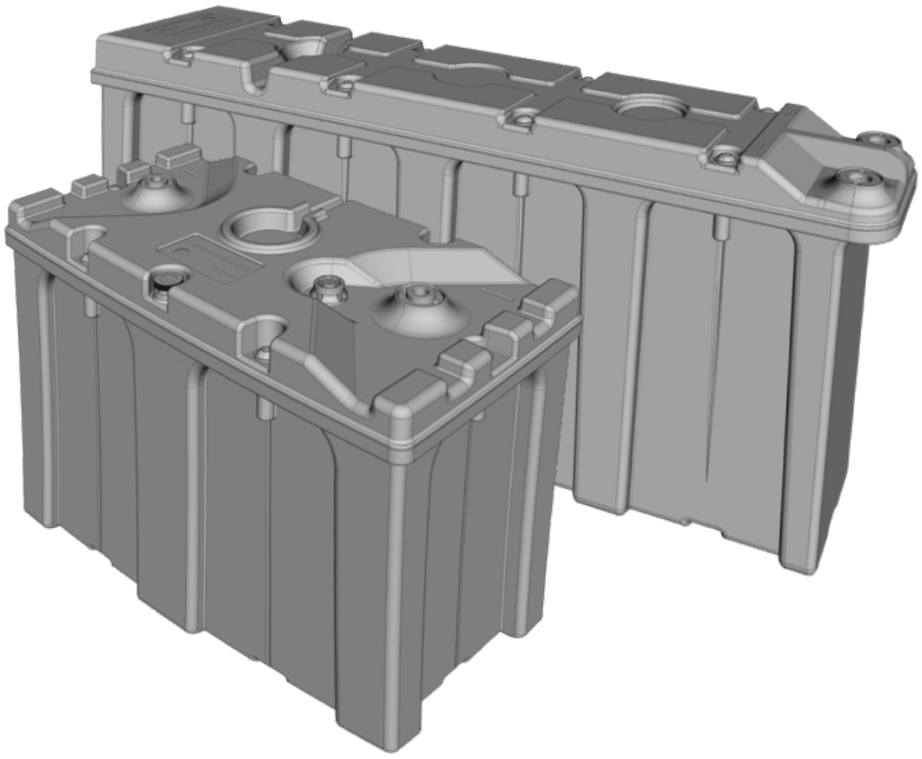
TRIATHLON®

INTELLIGENT BATTERIES

Lithium-ion block batteries



Energy. Endurance. Performance.

TRIATHLON® Lithium-ion block battery

The TRIATHLON® Lithium-ion block battery TB 10508 is the ideal battery to replace lead-gel batteries in industrial trucks, lifting work platforms, cleaning machines and other electric vehicles.

The battery block can also be placed in a conventional steel trough suitable for the desired industrial truck and loaded with weights.

The ion Battery Guard 1.0 charge indicator shows the SOC of the lithium-ion block battery via light-emitting diodes and is positioned on the vehicle or in the driver's field of view.
The battery is switched on via a button on the display.

The battery can be charged with the ion lithium charger TriCOM with max. 100 A. A full charge is possible in about 1 hour.

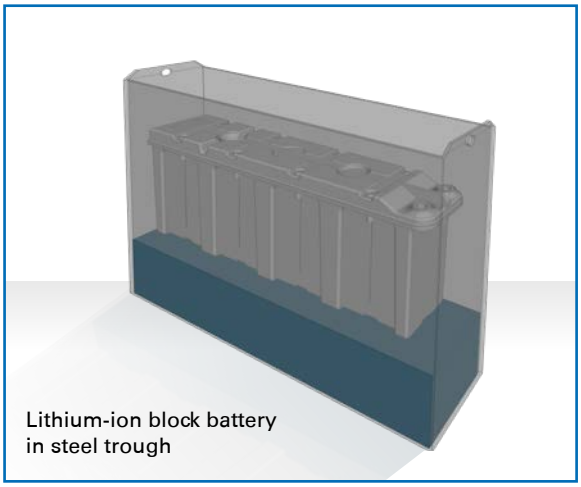
Alternatively, charging up to max. 50 A can be performed with an HF charger and an IU characteristic curve.

Two blocks can be connected in parallel in master-slave mode to increase performance.
This provides 25.6 V / 210 Ah / 5.4 kWh. The discharge and charge currents are doubled accordingly.

SYSTEM CHARACTERISTICS

- Absolutely gassing and maintenance-free
- Intermediate and fast charging capability
- Intrinsically safe due to intelligent BMS
- Options:
  - Convenient charging socket
  - Battery with integrated on-board charger
  - Vehicle CAN interface
  - Use of the vehicle's own on-board charger

	TB 10508-V1	TB 10508-V2
Battery specification at 25 °C		
Technology:	Lithium ferric phosphate (LFP)	
Rated voltage:	25.6 V	
Rated capacity:	105 Ah	
Rated Energy:	2.7 kWh	
Voltage range:	24 to 28.4 V	
Discharge current:	60 A (duration)	
	100 A (1800 s)	
	215 A (5 s)	
Charge current:	100 A with CAN	
	50 A with IUa characteristic curve	
	CC 50 A to 28.0 V; CV 28.0 V to I < 5 A	
Connection:	M10 terminal	
Dimensions (L x W x H):	589 x 120 x 285 mm	351 x 174 x 281 mm
Weight:	approximately 25 kg	
Colour:	grey	
Temperature range		
Discharging:	0 to +45 °C	
Charging:	0 to +45 °C	
Storage:	0 to +45 °C	
Display / Communication		
Status display:	Display on the block and external with 1500 mm cable	
Vehicle interface:	CAN for status and warning messages	
Memory:	Extensive logger data for evaluations / analyses	



Lithium-ion block battery
in steel trough

Charge indicator
ion battery guard 1.0

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