

TAB LITHIUM-ION batteries-systems



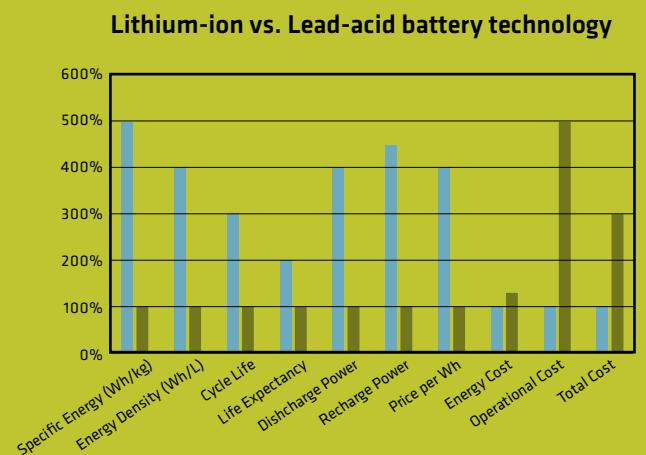
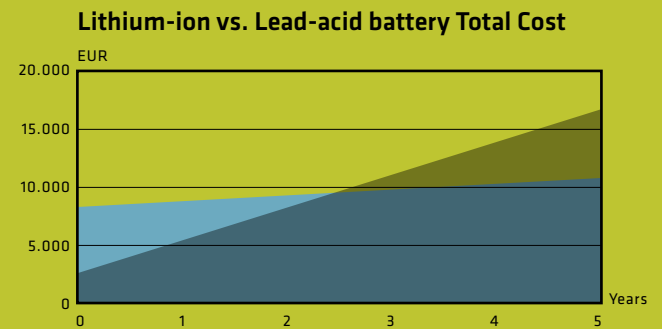
ECOLOGY & PLANET

- TAB Lithium-ion batteries are designed for a sustainable future of our planet
- No liquid acids in case of accidents
- Smaller CO₂ footprint
- Better energy efficiency due to lower charging losses

ADVANTAGES

- No need for central charging station
- More flexibility to decentralized charging stations (in case with onboard charger)
- No explosion hazard and no odours due to gassing
- Longer operating terms and higher productivity due to fast and opportunity charging
- The TAB Li-Ion battery system is absolutely maintenance free
- No need for security distance to charging facilities - opens new possibilities when planning site layout

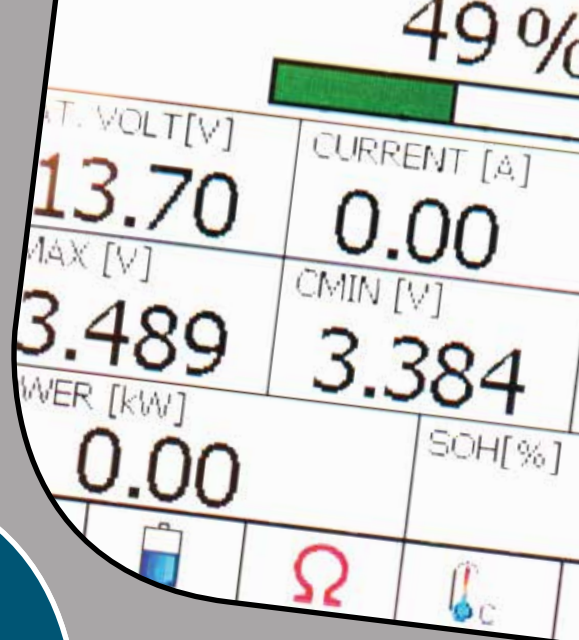
LITHIUM-ION
LEAD-ACID



TAB 
Li-ion batteries

TAB INTELLIGENT BATTERY MANAGEMENT WITH LCD-TFT MONITORING

- MOTORING
- CONTROL
- BALANCING
- PROGNOSTICS
- PROTECTION
- COMMUNICATION



TAB SERVICE SOFTWARE

- Real time data logging
- Communication via Can Bus
- Show warning/error/alarm

LONGER OPERATING TIMES

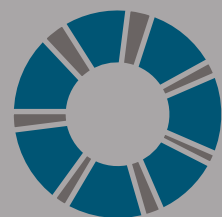
- Opportunity charging possible at any time
- High-efficiency chargers
- More capacity duo to better energy density

ECONOMY

- 30% reduced total cost
- No need to invest in central battery rooms with ventilation and extraction systems
- Long life time
- Low self-discharge

BATTERY SYSTEM SPECIFICATION

PRODUCT SOLUTION	Li-Ion
TEHNOLOGY	LiFePO4
VOLTAGE	12V-80V
CAPACITY	40 to 1000 Ah
DESIGN LIFE (Cycle DOD 80%)	2500+
OPERATION TEMPERATURE	-10/+55 °C
PROTECTION INDEX	IP 54 (IP 67 optional)
STANDARD SIZE	DIN, BS, Customized
ENERGY PACK CHARGER	TAB Li-Ion Charger
BATTERY MANAGEMENT SYSTEM	Integrated TAB BMS
COMMUNICATION	CAN, RS485, Customized



LITHIUM-ION BATTERY

Operating time approx. 21-22 h
Fast/Opportunity charging time approx. 2-3 h



LEAD-ACID BATTERY

Operating time approx. 8 h
Charging time/rest periods approx. 8 h

TAB

Li-ion batteries

TAB Tovarna Akumulatorskih Baterij d.d.
Polena 6, 2392 Mežica, Slovenia, info@tab.si, www.tab.si