

# Smart LEX Battery System

- Lithium Ionen Battery Pack  
P1 24V 3300mAh

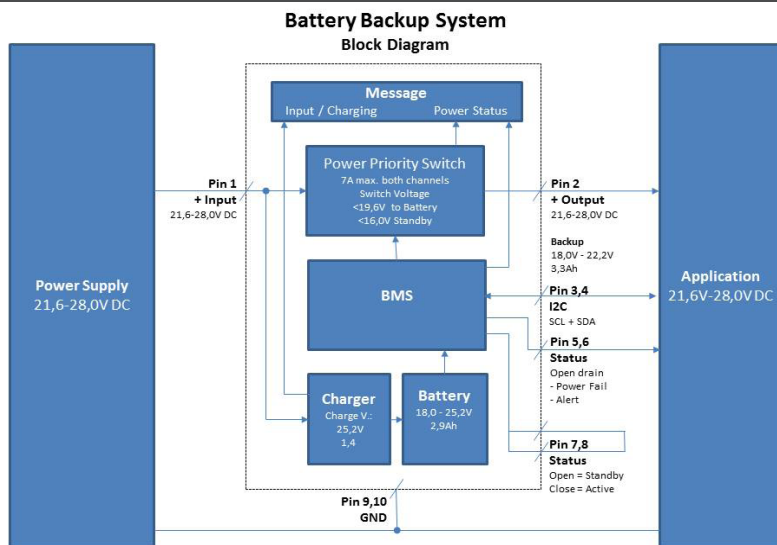
**Exista**  
POWER SUPPLIES



highest efficiency, technical know how, flexibility

# Lithium- Ionen- Battery System

## Long life time Battery Power System



## Your Benefits

- High flexibility - through modular applications
- Maximum operational reliability - through integrated battery management,
- Long life time - 10 years battery life time under regular conditions
- Compact design - in DIN rail or desktop housing
- Integrated charging and communication function
- Custom configurations possible

## Quality Standard

The battery systems are subject to strict quality inspections. They are certified to UN38.3 „transport regulations for lithium batteries“ and CE. Tests include, altitude simulation, thermal test, vibration, and drop test.

## Battery Management System (BMS)

Batteries in Lithium-Ion technology must be constantly monitored electronically to ensure the safe use and protect the cells from damage. This function takes the battery management system (BMS).

## Maximum safety and long-term availability

through continuous self tests and intelligent electronic management.

- Measurement of the cell voltage, temperature and cell current
- Monitoring of the safe operating condition
- Shutdown when exceeding the maximum values
- Enable data logging to a later diagnosis
- Align the state of charge of the cells by „intelligent balancing“
- Enables the extraction of the maximum energy while preserving battery life

## Communication function

Transmission of the system state through I2C interface.



## Technical Data

### General

Application	Power fail system
Kapazität *	3300 mAh
Input Voltage	21.6V - 28.0V DC
Output Voltage Normal	21.6V - 28.0V DC
Output Voltage Battery	18.0V - 25.2V DC
Input current Normal	max. 7.0A
Input current Charging	max. 1.4A + Normal
Output current Normal	max. 7.0A
Output current Battery	max. 1.5A
Power Switch usv	Include
BMS	Include
Charger	Include
Charging cycles	max. 300 within 10 years
Lifetime	> 10 years
Class	IP44
Working temperature	-10°C - +45°C
Communication	I2C interface
Certification	UN 38.3 CE, RoHS

\* typical

### Housing

DIN rail system

Size [LxBxH]

48 x 89 x 80 mm [3300mAh]

Material

Aluminum

Color

Aluminium nature

Weight

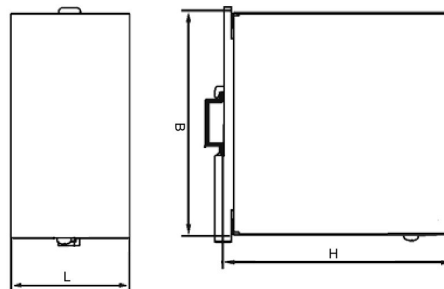
tbd

### Options

Certification UL

### Size [mm]

LxBxH: 48 x 89 x 80 [3300mAh]



**HIGH-END DESIGN**



Size [mm]

60 x 89 x 85



Input Voltage [V]

21.6V - 28.0V DC



Output Voltage Bat. [V]

23.6V DC



Capacity [mAh]

3300mAh

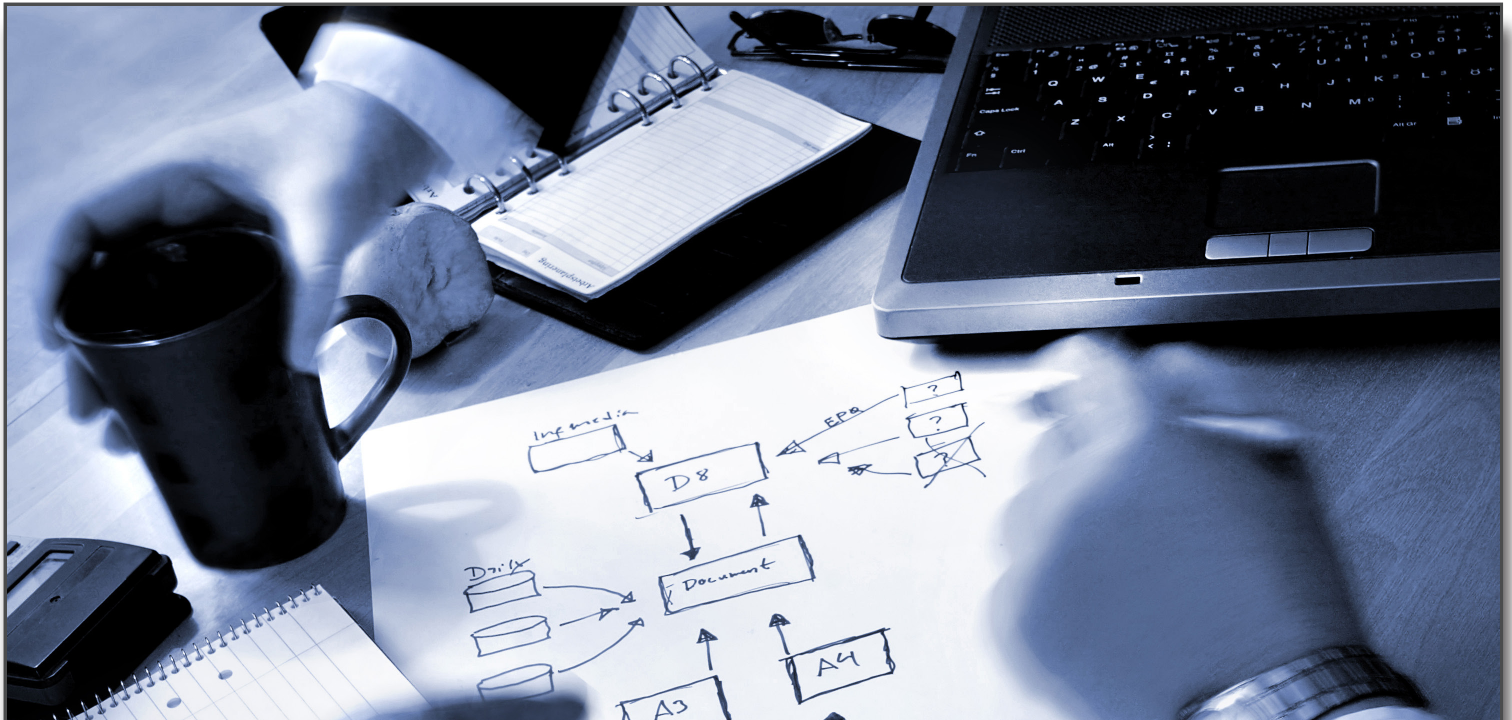


Articel No:

LEX-BAT-33160-AI-2







Arrange your free consultation



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