GNB
INDUSTRIAL POWER
A Division of Exide Technologies

SONNENSCHEIN LITHIUM
LITHIUM TRACTION BLOCK BATTERY

Sonnenschein Lithium

SONNENSCHEIN LITHIUM LTB SERIES
LITHIUM TRACTION BLOCK

Charge faster and move faster

The new Sonnenschein Lithium Traction Block (LTB) Battery is perfectly suited for light traction applications such as hand pallet trucks, cleaning machines and personal mobility.

The battery can be fully charged in up to 1.5 hours resulting in more uptime at your hands. With the LTB your equipment keeps on working instead of spending time at the charging dock. Full flexibility for e.g. future heavy duty applications is given by the modular design allowing upscaling to an overall capacity of 250Ah. Moreover, the LTB is entirely maintenance- free and user-friendly – it is intended to be used by untrained labor.

24H
3 SHIFTS

LTB - Driving three shift operations

3 shifts thanks to opportunity charging during e.g. coffee and lunch breaks

Conventional Batteries

Charging (overnight) after approx. 1.5 shifts

Charging

Choose the expert!

- GNB Industrial Power is the application expert – fitting lead and lithium battery solutions for every need
- Extensive Sales, Consulting and Service network across Europe
- More than batteries - chargers, fleet management, accessories and service from one hand

LITHIUM TECHNOLOGY

Lithium Technology Combines High Performance With "Install & Forget"

High cycle life

Ultra-fast charging and frequent opportunity charging

No gas emission

High energy density/ compact design

24/7 applications & multi-shift

Maintenance-free during the whole service life

Ultra-light weight

BMS included

PROTECT YOUR INVESTMENT
STATE OF CHARGE INDICATOR

The remote display provides the most important information at one glance and ensures safety:

- **Safe** — Deep discharge protection with audible alarm integrated

- **Easy** — 10 segments display for charging state

- **Convenient** — I2C (SMBus protocol) communication

- **Flexible** — Due to a cable length of 1.5 m

- **Small** — Dimensions of 110 x 65 x 28 mm

- EPN: LIAGAGE0001

DATASHEET LTB24031O

Nominal voltage	25.55V
Minimum voltage/Discharge cut-off voltage	20.6V
Max. voltage	29.4V
Nominal capacity	31.35Ah (C5, 20°C)
Nom. cont discharge current / C-Rate	20A+/- 0.5A / 0.66C
Max. cont discharge current	75A+/- 0.5A at 10 seconds
Max. charge voltage	29.4V
Nom. cont charge current / C-Rate	15A +/- 0.5A / 0.5C
Max. cont charge current	30A +/- 0.5A
Self-discharge rate	Less than 9% after 3 months
Cycle life	1,500 (80% DOD)
Storage specification	15°C to +25°C
Charge temperature	0°C to +50°C
Discharge temperature	-20°C to +50°C
Weight	4.7 kg
LxWxH	195x130x175 mm
Power connections	Female M6 (protected by insulated caps)
Chemistry	NMC: Lithium Nickel Manganese Cobalt
Series connection	No
Parallel connection	Yes, up to 250Ah capacity
Display	10 segments SOC display. Buzzer integrated into the display

SONNENSCHEIN LITHIUM LTB SERIES
TECHNICAL DATA FOR CHARGERS

Charge Efficiency

Get most out of what you are already paying for! The SL charger is specially designed for the LTB's fast charge capability and is very efficient. Almost all of the energy you are paying for is utilized to charge the battery and therefore to move your goods. As a consequence, you will lower your overall charging time, costs and contribute to a clean environment by reducing your CO_2 footprint.

	EPN			
	LIMS24S015LTP for 1 block	LIMS24S30LTP for 2 blocks	LIMS24S045LTP for 3 blocks	LIMS24S060LTP for ≥ 4 blocks
Model	SL 24V 15A	SL 24V 30A	SL 24V 45A	SL 24V 60A
Nominal voltage	24V	24V	24V	24V
Output current	15A	30A	45A	60A
Mains voltage supply	220-240V	220-240V	220-240V	220-240V
Mains cable dimensions	3x1,5 mm²	3x1,5 mm²	3x1,5 mm²	3x1,5 mm²
Mains cable length	2,5 m	2,5 m	2,5 m	2,5 m
Mains connector (included)	10A Schuko	10A Schuko	10A Schuko	10A Schuko
Battery cable	2x6 mm²	2x6 mm²	2x10 mm²	2x10 mm²
Battery cable length	2 m	2 m	2 m	2 m
Battery connector (not included)	User defined	User defined	User defined	User defined
Ingress Protection	IP20	IP20	IP20	IP20
Ambient temperature range (at full capacity)	-5 to +40°C	-5 to +40°C	-5 to +40°C	-5 to +40°C
Ambient max. temp. (with reduced capacity)	50°C	50°C	50°C	50°C
Cooling	Fan	Fan	Fan	Fan
Short Circuit protection	Yes	Yes	Yes	Yes
Wrong polarity protection	Electronic	Electronic	Electronic	Electronic
Certifications	CE	CE	CE	CE
Status LED	Yes	Yes	Yes	Yes
Charger weight excl. cables	1.5 kg	1.5 kg	2.3 kg	2.3 kg
Charger weight incl. cables	2.1 kg	2.1 kg	3.1 kg	3.1 kg
Dimensions (HxWxD)	243x112x74 mm	243x112x74 mm	295X138X89 mm	295X138X89 mm
Drive away protection*	Yes	Yes	Yes	Yes

*DAP for chargers included but for batteries to be ordered seperatly

POWERING THE WORLD FORWARD

EXIDE TECHNOLOGIES

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