

LiFePO4

LIX Basic BS



LIX BASIC - Serie
50 Ah • 100 Ah • 150 Ah • 300 Ah

WATTSTUNDE® lithium iron phosphate batteries (LiFePO4) LIX BASIC BS are perfect for both experienced users as well as for beginners. With the Basic model you get all the advantages of a LiFePO4 battery for a reasonable price. The battery can be connected easily and uncomplicated. Also, it can replace an already existing battery without problems.

- BMS included
- low-priced beginner's version
- 1:1 exchangeable with conventional lead-acid batteries
- lightweight, compact and widely dischargeable
- can be connected parallel or in series

Technical changes, errors and misprints reserved Stand 08.2021

DATA SHEET



Typ	LIX 50 BS	LIX 100 BS	LIX 150 BS	LIX 300 BS
Article	502-50050	502-50102	502-50150	502-50301
Nominal Capacity	50 Ah / 640 Wh	100 Ah / 1280 Wh	150 Ah / 1920 Wh	300 Ah / 3840 Wh
Nominal Voltage	12,8 V			
Recommended Charge Voltage	14,6 ± 0,1 V			
Recommended Charge Current	25 A	60 A	75 A	<150 A
Maximum Charge Current	50 A	100 A	150 A	200 A
Maximum Continuous Discharge Current (30 min, 25 °C)	50 A	100 A	150 A	200 A
Maximum Inverter power (5 min)	600 W	1200 W	1800 W	3500 W
Self Discharge	≤ 1,5 % / month			
Resistance	≤ 30 mΩ			
Batterie Management	integrated			
Monitoring	external accessories required			
Enclosure Protection	IP65			
Terminal	M6	M8	M8	M8
Temperature (Discharge)	- 20 °C to + 60 °C			
Temperature (Charge)	0 °C to + 45 °C			
Application / interconnection	Parallel / series connection possible (max. 4 batteries)			

Dimensions

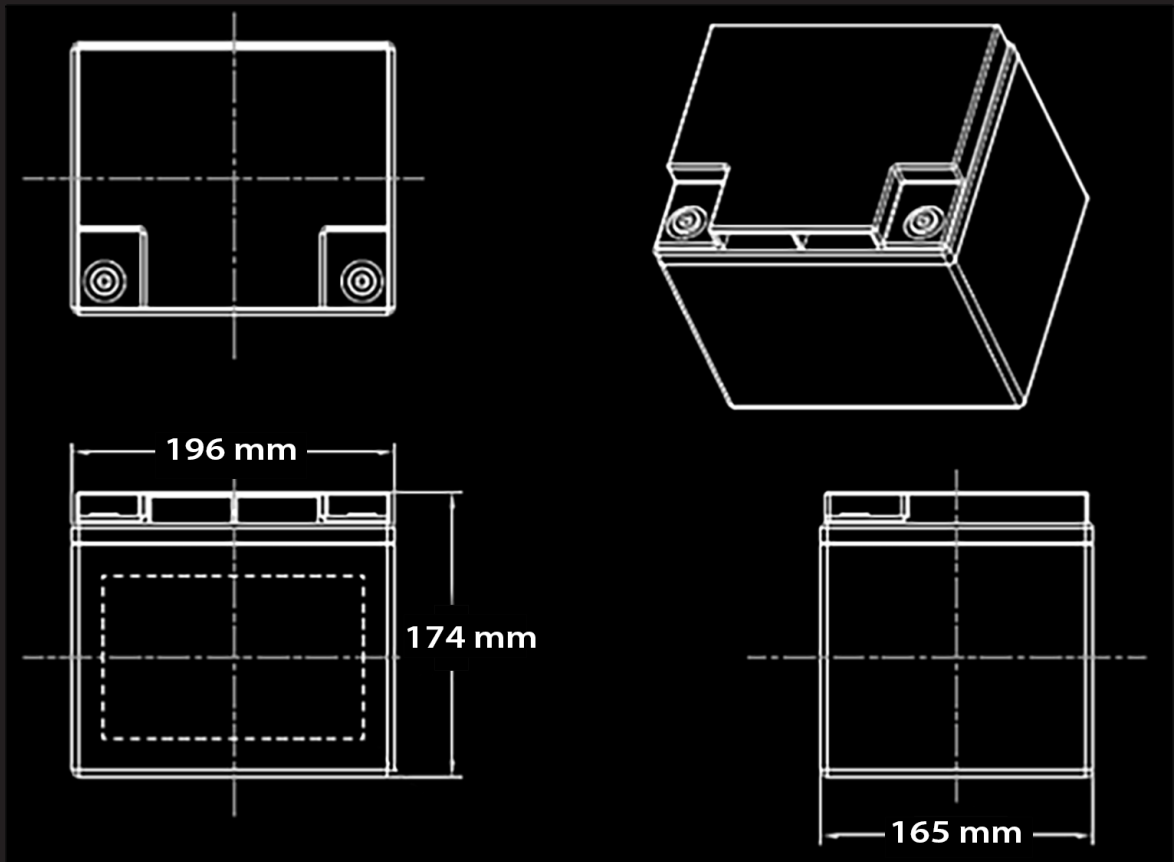
Weight	6,8 kg	12,5 kg	19,6 kg	38 kg
Dimensions (L x W x H)	196 x 165 x 174 mm	307 x 168 x 226 mm	483 x 170 x 241 mm	520 x 268 x 237 mm

Basic Data

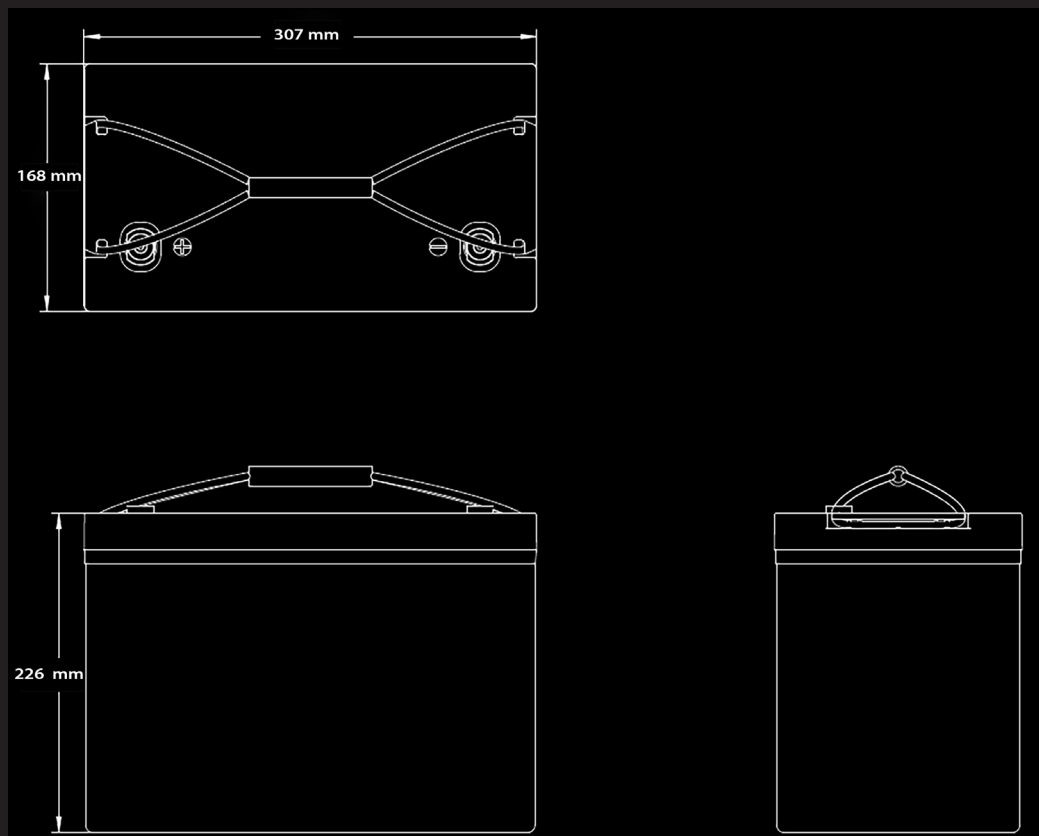
Cycle Life	≥ 3000 bei 90 % DoD			
Certifications	CE (Battery), UL 1642 und IEC62133 (Cells)			
Product guarantee	2 Years			

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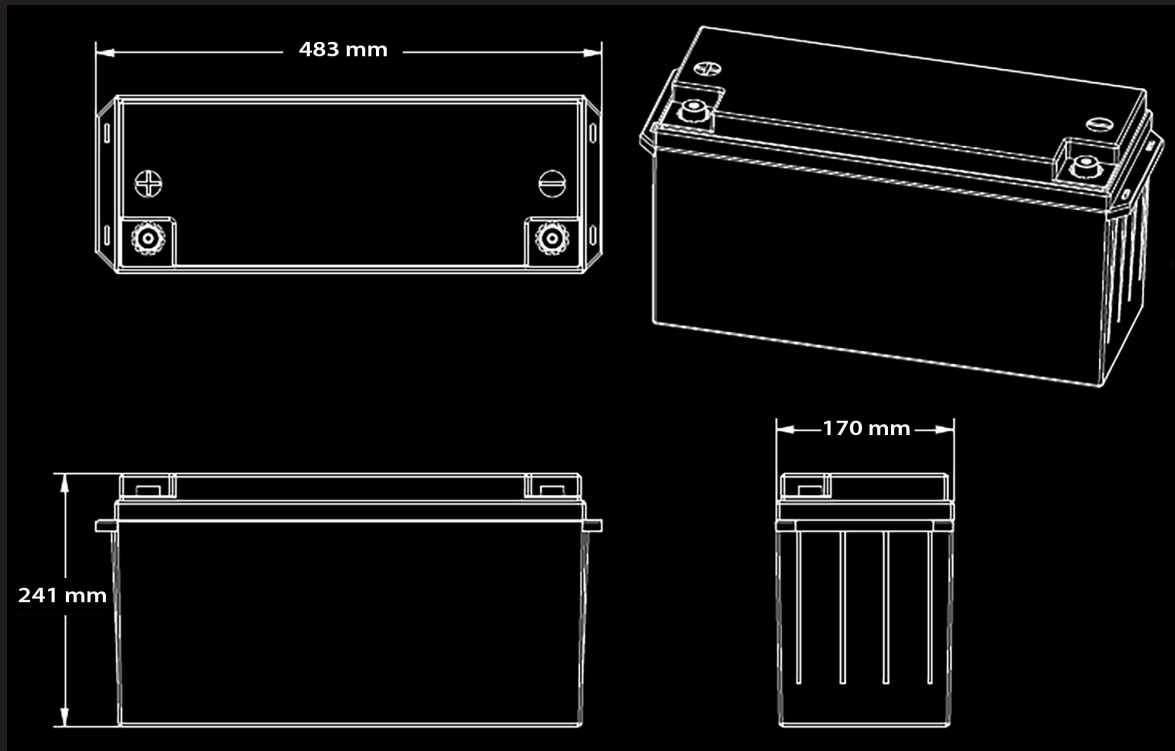
LIX50-BS



LIX100-BS



LIX150-BC



LIX300-BC

