

Specification Sheet

STORE

STR140

LiFePO4 – 12,8 V – 1792 Wh
high performance accumulator



symbolic image

version: 2.1

date: 20.11.2024

Table of content

1	Technical specifications.....	3
2	Electrical specifications.....	3
3	Features of the Battery Management System (BMS)	4
4	LITE BLOX App	5
5	Dimensions.....	6
6	Certification (ISO 9001:2015)	7

1 Technical specifications

<i>Specification</i>	<i>Value</i>	<i>Annotation</i>
<i>Dimensions</i> - see chapter dimensions		
Weight	16xxx g	
<i>Cell</i>		
Cell chemistry	LiFePO4	
<i>Temperature</i>		
Temperature range for use	(- 25) – (+ 65) °C	(0) – (+ 50) °C for optimal cycle life
Temperature range for storage	(0) – (+ 40) °C	
<i>Other</i>		
Protection class conformity	IP65	
Certification	ECE R10, UN38.3, CE	

2 Electrical specifications

<i>Specification</i>	<i>Value</i>	<i>Annotation</i>
<i>Battery Pack</i>		
Capacity (nominal)	140 Ah	± 5%
Voltage (nominal)	12,8 V	
Energy	1792 Wh	± 5%
<i>Charging</i>		
Voltage charge (recommended)	14,4 V	
Current charging (max.)	< 140 A	
<i>Discharging</i>		
Current discharging (continuous)	< 150A / 200 A ^{<20min}	
Current discharge (5s pulse)	< 400 A	

3 Features of the Battery Management System (BMS)

<i>Feature</i>	<i>Description</i>	<i>Details</i>
Balancing	charge transfer to prevent long term cell deviation (passive)	
Communication	<ul style="list-style-type: none">• Wireless connection to an external device (smartphone/tablet) to display battery condition and status via bluetooth• RS485, UART	LITE BLOX App
Protection	Self-protection when running outside the intended operation limits. The battery protects itself against <ul style="list-style-type: none">• overcharging• deep discharge• overload• (short-term) short circuit	
low self-discharge	20 μ A-150 μ A in standby-mode	

4 LITE BLOX App

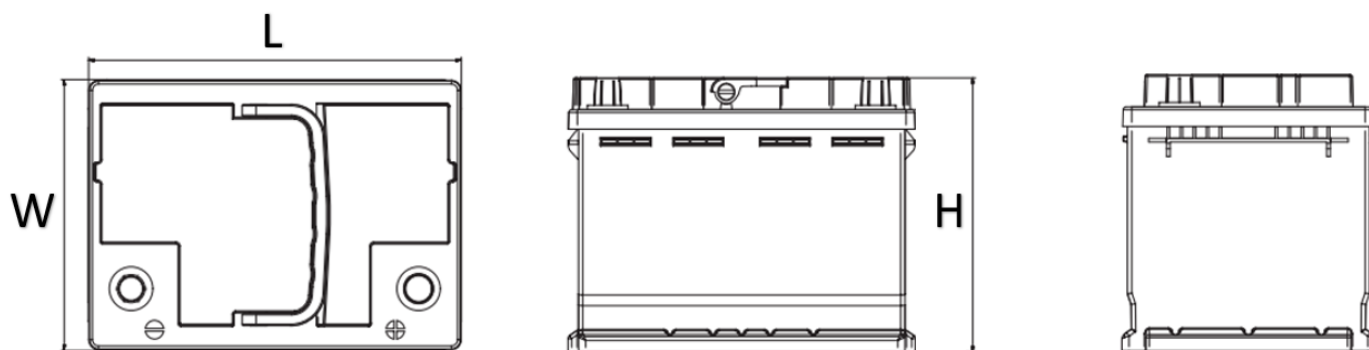
Every LITE BLOX unit comes with an innovative interface for wireless operation via smartphone or tablet (bluetooth). The bluetooth is activated as soon as the battery is in use (being charged or discharged).



LITE BLOX App for download:



5 Dimensions



symbolic image

<i>dimensions</i>	<i>L in mm</i> ± 2	<i>W in mm</i> ± 2	<i>H in mm</i> ± 2
LN 4	315	175	190

6 Certification (ISO 9001:2015)



LITEWERKS GmbH

Robert-Bosch-Str. 10, D-78467 Konstanz

wurde durch DSR-CERTIFICATION auditiert und es wird bestätigt, dass das
Qualitäts-Management-System den Erfordernissen der

is audited by DSR Certification and applied that the Quality Management System meets the requirements of

ISO 9001:2015

für den nachfolgenden Umfang entspricht:
standard for the following activities:

Entwicklung, Herstellung und Vertrieb von Akkumulatoren
Development, Production and Distribution of Accumulators

Zertifikats-Nr.:/Certificate No: QMS-23.02.372