LEXRON®

48V 100Ah Lityum Batteries

LEXRON Provides Safe and Efficient LFP Battery Solutions.

LXR series adopt best value Lityum cells, with the BMS system independently designed by LEXRON. series and parallel use, is energy storage, marine and other fields. IP20 protection

Features

- Bluetooth access to show functions like
- Lithium iron Phosphate Battery(Lityum)
- Eco-friendly
- Special protection plate
- Multiple safety protection
- Intelligent balancing function
- 20 Years Designed service life

Mechanical Specifications

Case Material	ABS
Cell Type-Chemistry	Prismatic Lityum
Terminal Type	M8
IP Grade	IP20

BMS Characteristics

Recommended Charge Current	50A
Maximum Charge Current	100A
Maximum Continuous Discharge Current	100A
Recommended Charge Voltage	53~53.75V
Max Charge Voltage	54.5V
Overcharge Protection Voltage	59.2~60.8V
Charge Mode	CC/CV
Discharge Cut-off Voltage	41.5V

Basic Performance

Nominal Voltage	48V
Nominal Capacity	100Ah
Standard Discharge Time	100A@60min
Capacity	4.8KWh
IR	<= 10mΩ
Self Discharge	<=2%/Month
Cells	Square 100Ah
Cycle Life	6000 times(1C/1C)
Size (mm)	522*238*223
Weight (kg)	36.0

Charge Performance

Rated Charge Current	50A
Maximum Charge Current	100A
Rated Charge Voltage	52.5~53.75V
Charge Cut-off Voltage	> 54.75V(0.5~1.5S)
Reconnect Voltage	< 57.6V
Balancing Voltage	> 51V
System Series	NO

Discharge Performance

Rated Discharge Current	100A
Pulse Current(<=5S)	200A
Rated Discharge Cut-off Voltage	41.5V
Minimum Discharge Cut-off Voltage	>40V
Reconnect Voltage	>37.5V
Short Circuit Protection	200~600 μs
Short Circuit Current	Approx. 2000A

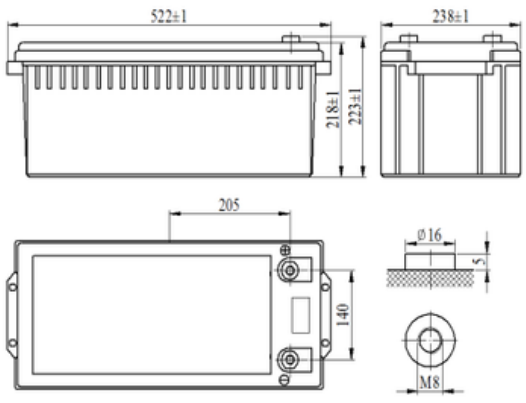
Temperature Performance

Discharge Temperature	-20~65℃
Charge Temperature	-5~65℃
Storage Temperature	-10~40℃
High Temperature Cut-off	65℃
Reconnect Temperature	45℃

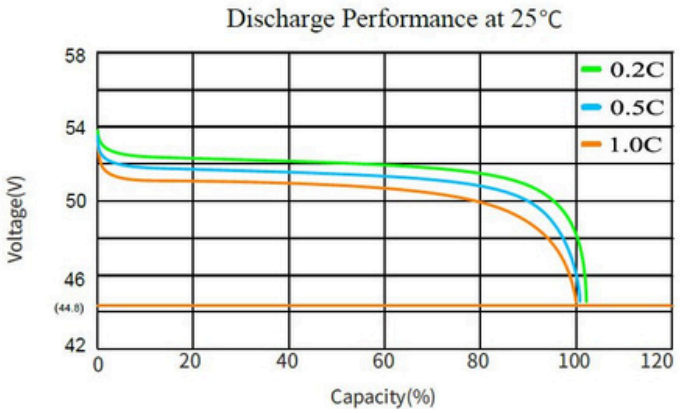
Compliance

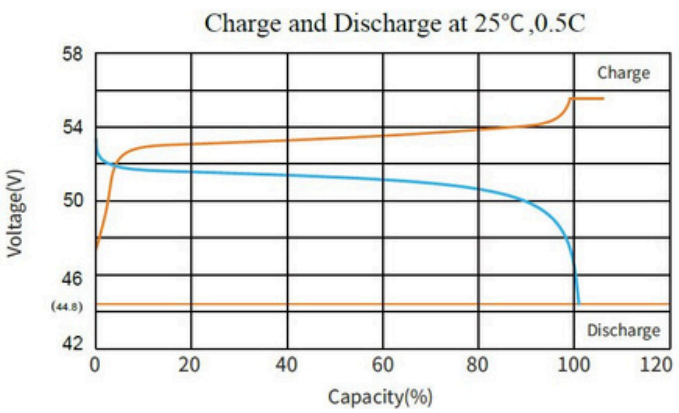
Certifications	CE/UN38.3/UL1642/IEC62133
Transport Appraisal	UN3480,CLASS 9

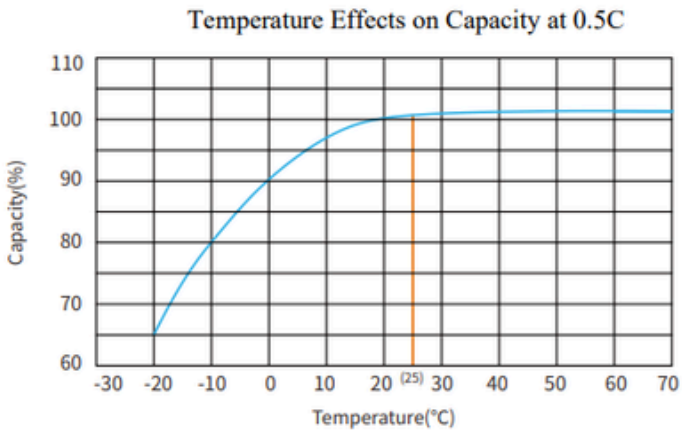
Size

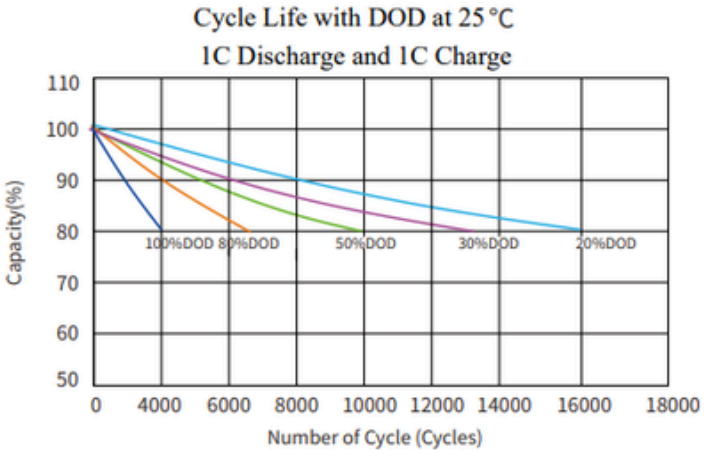


Characteristics Curve









Cautions

1. Do NOT short circuit, crush or disassemble.
2. Do NOT heat or incinerate.
3. Do NOT immerse in any liquid.
4. Store at 50% capacity. Recharge every 3 months. The storage area should be clean, cool, dry and ventilated.
5. Disconnect charging source prior to connecting or disconnecting battery terminals.
6. Do not dispose of batteries in a fire as they can explode.
7. Do not open, alter, or mutilate batteries.
8. Do not mix different types and brands of lithium–ion batteries.
9. Do not dispose in trash, follow local regulations and manufacturer's instruction.
10. See installation instructions before connecting to the supply.
11. The battery cabinet receives power from more than one source. Disconnection of all DC sources is required to De–energize this unit before installing or servicing. Wait 5 minutes before opening the unit.
12. Do not install on or over combustible surfaces.

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