LFP 36-210



Introduce

ENERPOWER LFP series features high-rate, long-life LFP batteries and an integrated, high-quality BMS. Bid farewell to bulk and embrace efficiency as we redefine power for cleaning equipment; compared to traditional batteries, the volume has been reduced by approximately 30%, freeing up valuable space for equipment design.

Features

Shock-resistant design

Automotive-Grade Vibration-Resistant Design
Unafraid of Bumps — Rock-Solid Stability

Safe and worry-free

Using LFP batteries ensures high safety, no fire, and no explosion.

Worry-Free After-Sales Service

5-Year Standard Warranty
Long-Lasting Protection — Extendable

Low self-discharge

Significantly Reduced Power Loss During Hibernation
Monthly Self-Discharge ≤ 2%

Long-lasting battery life

For the same volume,
battery life is significantly improved.

High-Efficiency Fast Charging

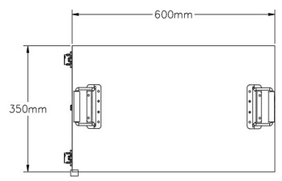
Supports 1C fast charging.
Standard charging can fully charge the device within 2.5 hours.

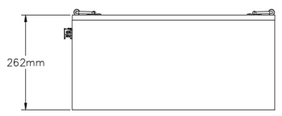
ENERPOWER
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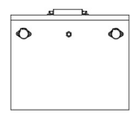
Performance

Model	Dubhe CM36-210
Performance	
Cell	Square LFP210Ah
Terminal	M8
IP Grade	IP67
Self Discharge	<=2%/Month
Cycle Life	6000times(80%DOD)
Rated Charge Current	50A
Max. Charge Current	100A
Rated Charge Voltage	40.8~41.4V
Charge Cut-off Voltage	43.8V
Balancing Voltage	>40.8V
Rated Discharge Current	50A
Max. Discharge Current	200A
Rated Discharge Cut-off Voltage	33.6V
Min. Discharge Cut-off Voltage	>30V
Short Circuit Current	Approx.3000A
Performance parameters	
Capacity	210 Ah(0.5C@25°C)
Nominal Voltage	38.4V
Energy	8064Wh
Weight	~78kg
Dimensions	600*350*323mm
Communication interface	/
LCD Panel	/
Storage Temp	-5°C to 35°C
Discharge Temp	-20°C to 55°C
Charge Temp	0°C to 45°C

Size







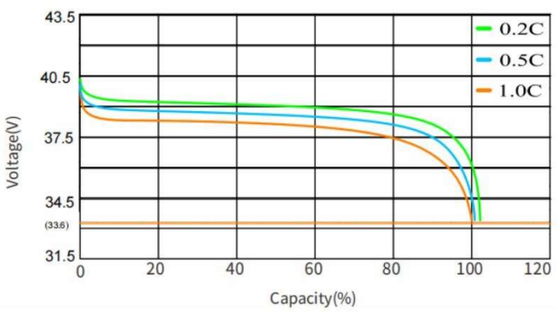
Compliance

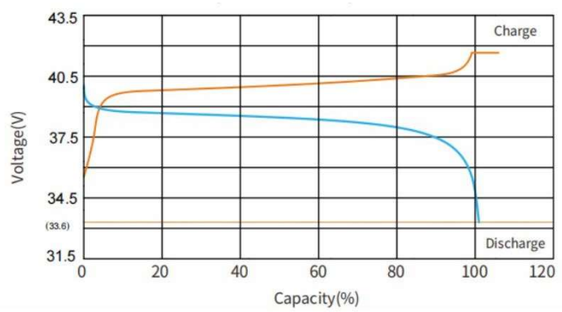
Certifications	Cell UN38.3
	Battery UN38.3
Transport Appraisal	UN3480,CLASS 9

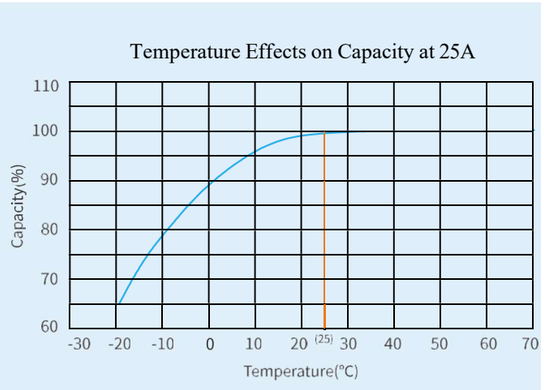
System Management Diagram

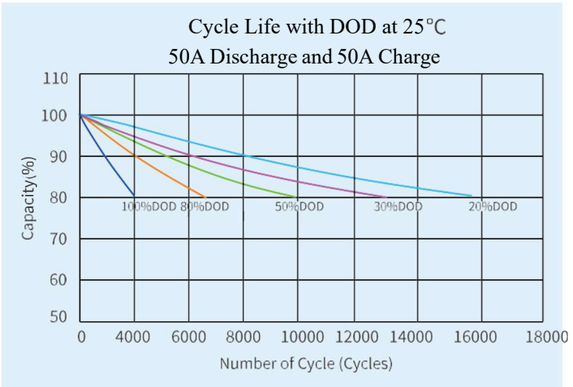


Characteristics Curve









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. Released electrolyte is harmful to skin and eyes. It may be toxic.
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.
13. Refer to manual before servicing.
14. Do not touch bare terminals.