

FDC-CM48-200

Datasheet



 **LiFePO₄**



FDC-CM48-200 is a part of our FDC Deep Cycle Lithium batteries. Specially designed to offer a lighter, longer life and higher power solution to Lead Acid batteries, this 48V 200Ah battery offers optimum safety thanks to a built-in Battery Management System (BMS).

Maintenance free (no more watering required), the FDC-CM48-200 battery will deliver exceptional performance and unmatched reliability for electric vehicle such as Cleaning machine.

SPECIFICATIONS

Nominal voltage	48V
Nominal capacity	200Ah
Energy	9600Wh
Cycle life	Up to 3000 cycles at 80% DOD
Monthly self discharge	≤2% per month
Communication	CAN/RS485 optional
Terminal	M8 Bolts, 12±2N·m
Standard Charge	
Max Charge current	100A
Upper limit voltage	54V
Charging temperature	0~55°C
Standard discharge	
Max Continuous Discharge	-
Max Discharge current	100A
Lower limit voltage	42V
BMS Voltage Recovery	-
Pulse current	300A (5s)
Operating temp. range	
Charge temperature	0°C to 55°C
Discharge temperature	-20°C to 60°C
Storage temperature	-5°C to 35°C
Container material	Powder Coated Steel
IP Rate	IP65

FEATURES

- » Smart BMS (Battery Management System) self-protects against short circuits, overheating, overcharge, overdischarge and overcurrent.
- » Fast charge: under 4 hours
- » 2-3X the lifetime of flooded lead acid batteries
- » Acid-free design takes away corrosion, acid drips and charging fumes

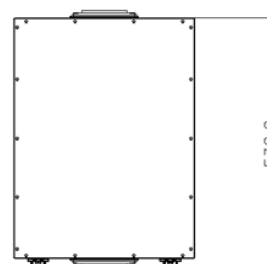
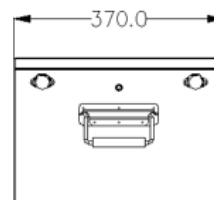
APPLICATIONS



Cleaning machine

DIMENSIONS & WEIGHT

Length	530±2mm
Width	370±2mm
Total height	273±2mm
Gross weight	84.0kg



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