

# FDC-CM24-200

## Datasheet



 **LiFePO<sub>4</sub>**



**FDC-CM24-200** 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 25.6V 200Ah battery offers optimum safety thanks to a built-in Battery Management System (BMS).

Maintenance free (no more watering required), the FDC-CM24-200 battery will deliver exceptional performance and unmatched reliability for electric vehicle such as Cleaning machine.

### SPECIFICATIONS

|                          |                              |
|--------------------------|------------------------------|
| Nominal voltage          | 25.6V                        |
| Nominal capacity         | 200Ah                        |
| Energy                   | 5120Wh                       |
| 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      | 28.8V                        |
| Charging temperature     | 0~55°C                       |
| Standard discharge       |                              |
| Max Continuous Discharge | -                            |
| Max Discharge current    | 100A                         |
| Lower limit voltage      | 22.4V                        |
| 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

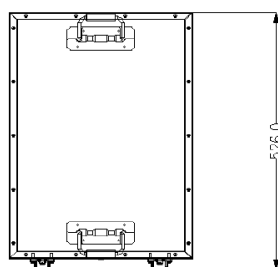
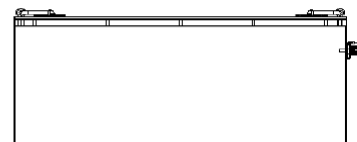
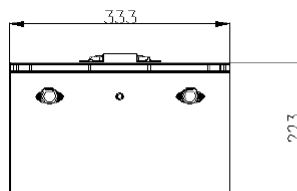
### APPLICATIONS



Cleaning machine

### DIMENSIONS & WEIGHT

|              |         |
|--------------|---------|
| Lenght       | 333±2mm |
| Width        | 526±2mm |
| Total height | 223±2mm |
| Gross weight | 49kg    |



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