

# FDC-CM24-100

## Datasheet

**FULBAT®**  
**DEEP CYCLE BATTERY**



 **LiFePO4**



FDC-CM24-100 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 100Ah battery offers optimum safety thanks to a built-in Battery Management System (BMS).

Maintenance free (no more watering required), the FDC-CM24-100 battery will deliver exceptional performance and unmatched reliability for electric vehicle such as Cleaning machine.

### SPECIFICATIONS

<b>Nominal voltage</b>	25.6V
<b>Nominal capacity</b>	100Ah
<b>Energy</b>	2560Wh
<b>Cycle life</b>	Up to 3000 cycles at 80% DOD
<b>Monthly self discharge</b>	≤2% per month
<b>Communication</b>	CAN/RS485 optional
<b>Terminal</b>	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	-10°C to 35°C

<b>Container material</b>	Powder Coated Steel
<b>IP Rate</b>	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

<b>Length</b>	330±2mm
<b>Width</b>	340±2mm
<b>Total height</b>	225±2mm
<b>Gross weight</b>	27.5kg

