

# LITHIUM RANGE

High performance & lightweight

FDC Lithium Series are LiFePO<sub>4</sub> batteries, that offer exceptional performance. Including an intelligent built-in Battery Management System (BMS) & CANbus connection to monitor the battery's status, these LiFePO<sub>4</sub> batteries provide an extra layer of protection, ensuring prolonged battery life. FDC Deep Cycle Lithium Series is designed to be a long-lasting, maintenance-free, lightweight and drop-in replacement option for Lead Acid batteries.

## GENERAL INFORMATION

- ⚡ Technology: LiFePO<sub>4</sub>
- ⚡ Available voltages: 25.6V to 51.2V
- ⚡ Capacities from 30Ah to 200Ah
- ⚡ Cycle life:
  - FDC-CM
    - » Up to 3000 cycles at 80% DOD\* (50% capacity @20°C)
    - » Up to 4500 cycles at 50% DOD\* (50% capacity @20°C)
  - FDC-GC2-48 / FDC51-105
    - » Up to 6000 cycles at 80% DOD\* (50% capacity @20°C)
    - » Up to 7500 cycles at 50% DOD\* (50% capacity @20°C)
- ⚡ Case material: A.B.S. / Powder Coated Steel

\*Depth Of Discharge



## FEATURES








- ⚡ Smart BMS (Battery Management System) self-protects against short circuits, overheating, overcharge, overdischarge and over-current
- ⚡ 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
- ⚡ CAN Bus Communication (optional)

## APPLICATIONS

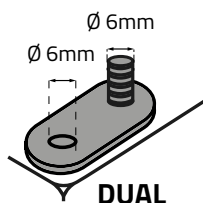


# LITHIUM RANGE

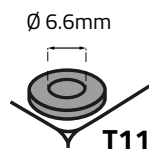
High performance & lightweight

Designation	P/N	Box size	Voltage (V)	Capacity Ah (5Hr)	Reserve capacity (capacity minutes)		Dimensions (±2mm)				Polarity	Terminal
					@25A (min)	@75A (min)	L	W	H	Total height		
FDC-CM24-100	593990	-	25.6	100	-	-	330	340	223	223		T11
FDC-CM24-150	593991	-	25.6	150	-	-	333	526	223	223		T11
FDC-CM24-200	593992	-	25.6	200	-	-	333	526	223	223		T11
FDC-CM36-150	593993	-	35.2	150	-	-	490	360	240	240		T11
FDC-CM48-200	593994	-	48	200	-	-	530	370	273	273		T11
FDC-GC2-48	592513	GC2	51.2	30	72	-	260	180	250	272		DUAL
FDC51-105	592514	-	51.2	105	-	-	500	343	268	268		T11

## TERMINAL CONFIGURATIONS



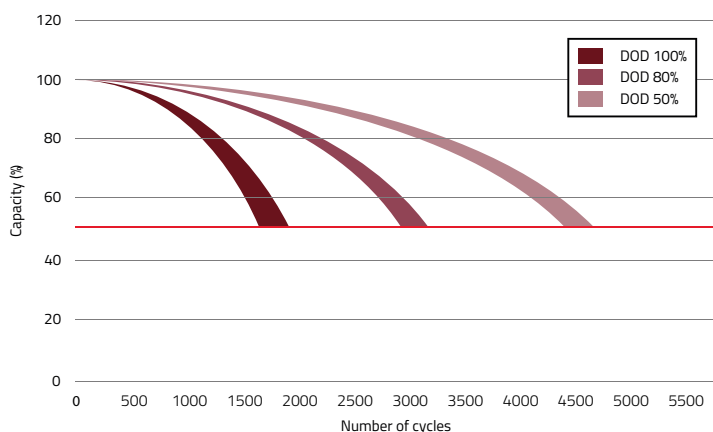
**Bolt terminal:**  
M8



**Threaded terminal:**  
M8

## CYCLE LIFE

FDC-CM



FDC-GC2-48 / FDC51-105

