

# 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 INFORMATIONS

- Technology: LiFePO<sub>4</sub>
- Voltage: 51.2V
- Capacity: 30Ah
- Cycle life:
  - 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.

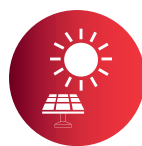
\*Depth Of Discharge



## 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
- State of charge LED indicators
- CAN Bus Communication
- On/Off button to turn the battery off for maintenance or long-term storage
- Up to 10 parallel connections

## APPLICATIONS



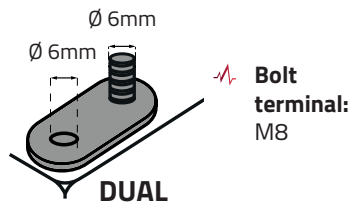
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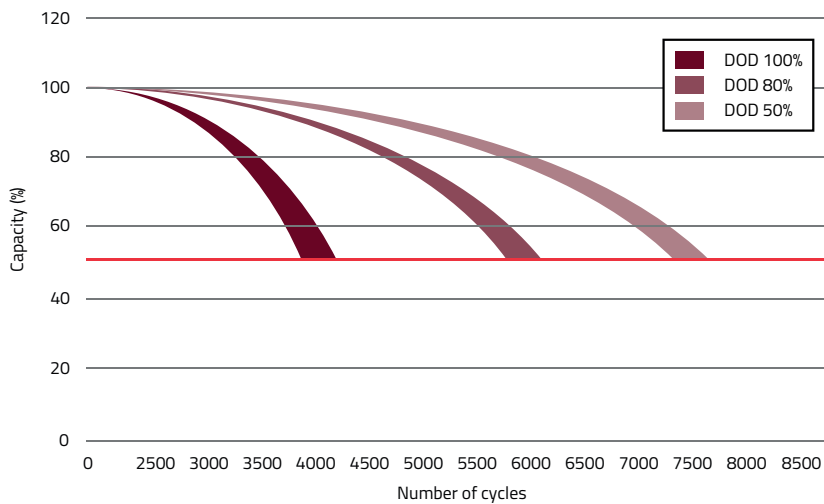


Designation	P/N	Box size	Voltage (V)	Capacity Ah (5Hr)	Reserve capacity (capacity minutes)		Dimensions (±2mm)				Polarity	Terminal
					@25A (min)	@75A (min)	L	W	H	Total height		
FDC-GC2-48	592513	GC2	51.2	30	72	-	260	180	250	272		DUAL

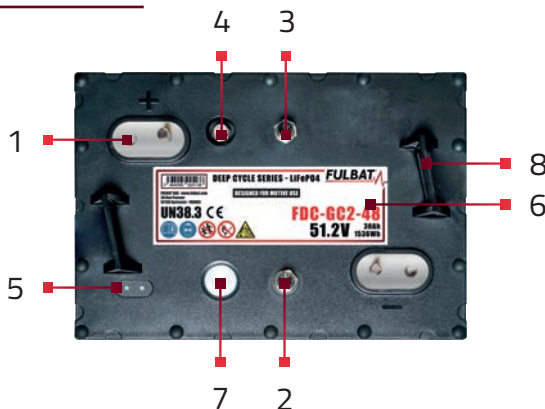
## TERMINAL CONFIGURATIONS



## CYCLE LIFE



## BATTERY DESIGN



1. Dual M8 Terminal
2. Communication port 1
3. Communication port 2
4. Pressure relief valve
5. LED indicators
6. Heatsink
7. Power button
8. Lifting brackets