

FULBAT[®]

MOTIVE POWER BATTERY

MOTIVE POWER BATTERY RANGE

CATALOG 2024

FLOODED | AGM CARBON | LITHIUM



Feel the Power!

ABOUT US



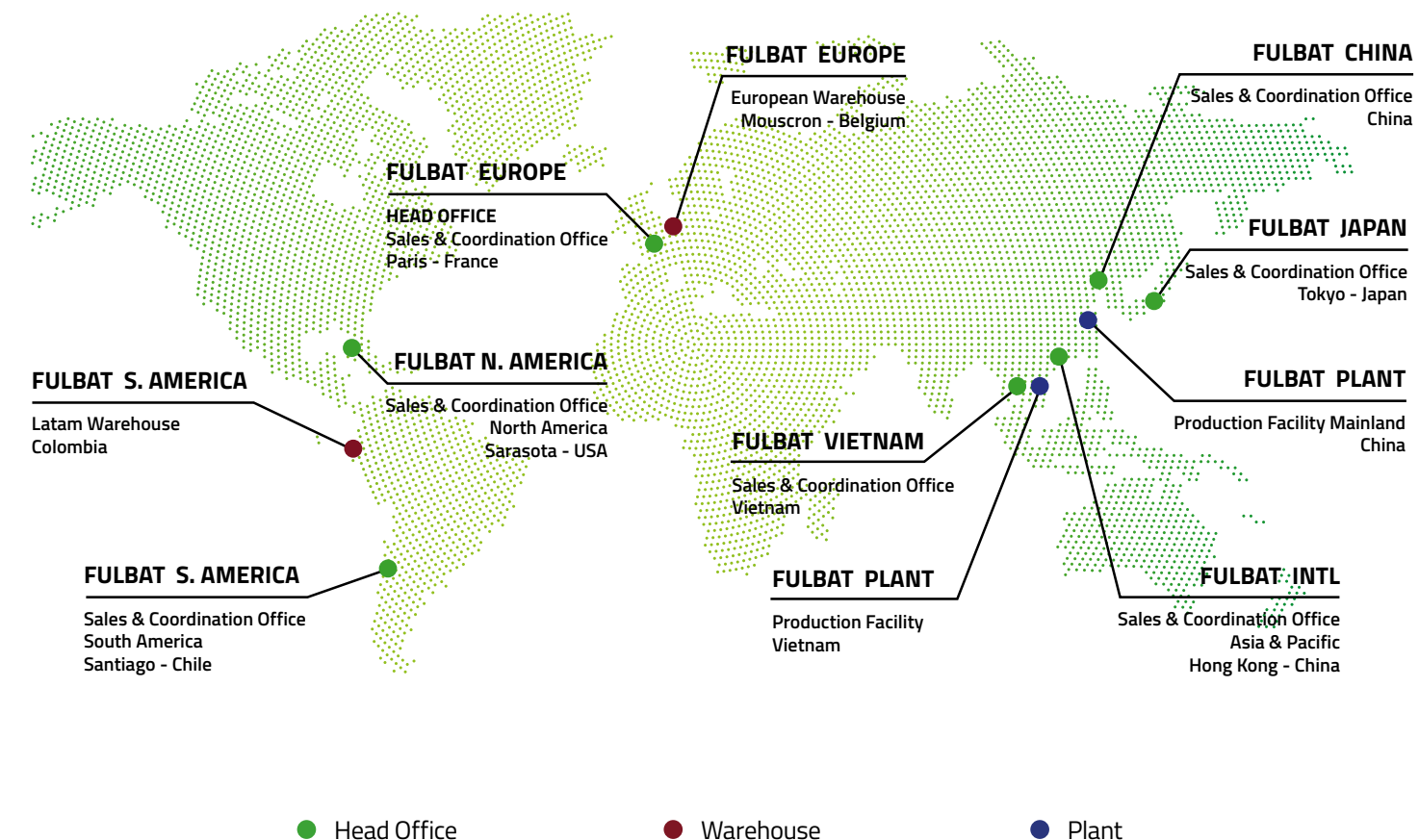
French based company, Fulbat is a leading force in the battery business, present in both replacement and OEM markets. Founded in 2005, we are constantly developing, manufacturing, marketing and selling lead-acid batteries, as well as lithium batteries and battery chargers.

With our technical knowledges and experience, we are able to design new innovative battery solutions to meet the current customers' expectations. We offer an exhaustive program of Starter batteries, Industrial batteries and Motive Power batteries, covering a full range of application. Our Motive Power Battery range is designed to cover Deep Cycle applications.

Fulbat batteries and chargers are widely distributed on all continents through a strong distributor's network, and are very well recognized as qualitative, performing and reliable products.

Manufactured according to the most innovative production processes, Fulbat products are certified by ISO 9001, ISO 14001 and TS 16949.

WORLDWIDE PRESENCE



INTRODUCTION



Whether for industrial or leisure use, Fulbat Motive Power offers a complete battery solution for small traction applications that require power and high resistance to deep discharge. Including Flooded (with maintenance), AGM Carbon (non-spillable and maintenance free) and Lithium (maintenance free), Fulbat Deep Cycle range is ideal for applications such as golf carts, aerial work platforms, cleaning machines, marine, leisure and electric vehicles.

APPLICATIONS

Fulbat Motive Power Battery covers the wide majority of golf carts, cleaning machines, aerial work platforms, leisure and marine applications.

GOLF CART



AERIAL WORK PLATFORM



FLOOR CLEANING MACHINE



LEISURE & MARINE



FLOODED RANGE

High performance & resistance

FDC Series are Deep Cycle liquid electrolyte batteries specifically designed for small traction applications (requiring deep discharges). With robust design made of thick positive & negative grid plates in a special alloy, the FDC Series offer low self-discharge and ensure a long service life with high resistance to cycles.

FLOODED RANGE

High performance & resistance

GENERAL INFORMATIONS

- Technology: flooded lead acid
- Available voltages: 6V, 8V, 12V
- Capacities from 150Ah to 260Ah
- Cycle life:
 - Up to 800 cycles at 80% DOD* (50% capacity @20°C)
 - Up to 1100 cycles at 50% DOD* (50% capacity @20°C)
- Case material: polypropylene

**Depth Of Discharge*

FEATURES

- Good deep discharge resilience performance
- Low self-discharge
- Low maintenance
- Polypropylene case material = shock-resistant & acid-resistant
- Terminals with special lead alloy designed for high vibration resistance
- Reinforced grid plates for optimal cyclic use
- Negative plate: 99.9% pure lead with hard paste feature, specific additives for deep cycle purpose
- Very good charging efficiency
- Lower water consumption and reduced thermal runaway possibilities
- Good performance under critical ambient temperature conditions

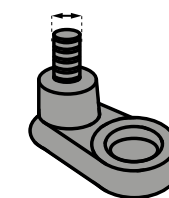
APPLICATIONS



TERMINAL CONFIGURATIONS

EHPT (Embedded High Profil Terminal)

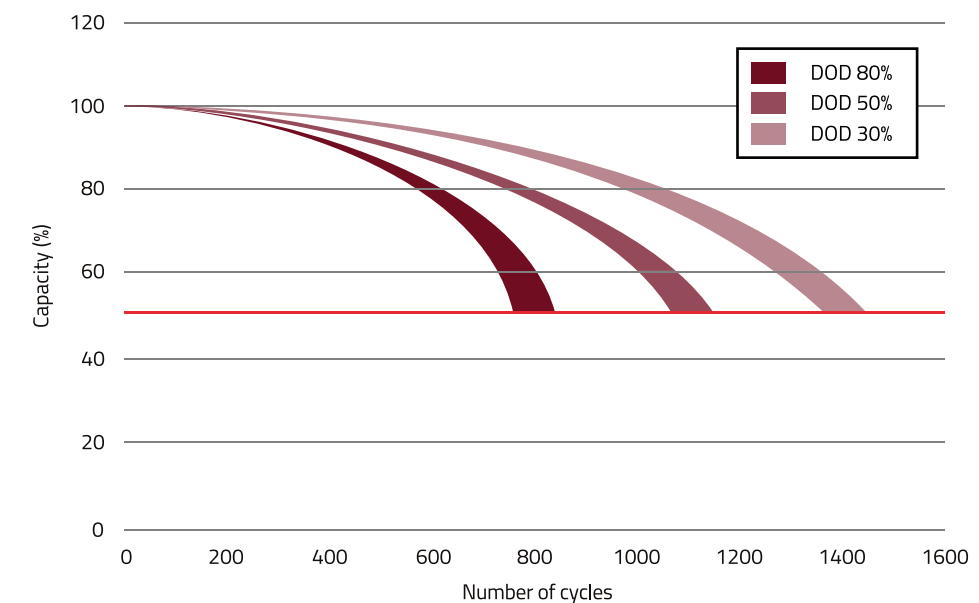
Ø 6.6mm



- Terminal height: 38mm
- Torque values: 11 – 12nm
- Bolt terminal: M8



CYCLE LIFE



AGM CARBON RANGE

Non-spillable & maintenance free

FDC AGM Carbon Series are Deep Cycle batteries, maintenance free and non-spillable, specifically designed for frequent discharge deep cycle applications. With strong industrial design, FDC AGM Carbon Series are robust and ensure a maximum service life with high resistance to cycles and also low self-discharge. The carbon additive makes them perform at a high level in case of partial state of charge (PSOC).

AGM CARBON RANGE

Non-spillable & maintenance free

GENERAL INFORMATIONS

- Technology: AGM (VRLA)
- Available voltages: 6V, 8V, 12V
- Capacities from 15Ah to 400Ah
- Cycle life:
 - Up to 750 cycles at 80% DOD* (50% capacity @20°C)
 - Up to 1400 cycles at 50% DOD* (50% capacity @20°C)
- Case material: polypropylene

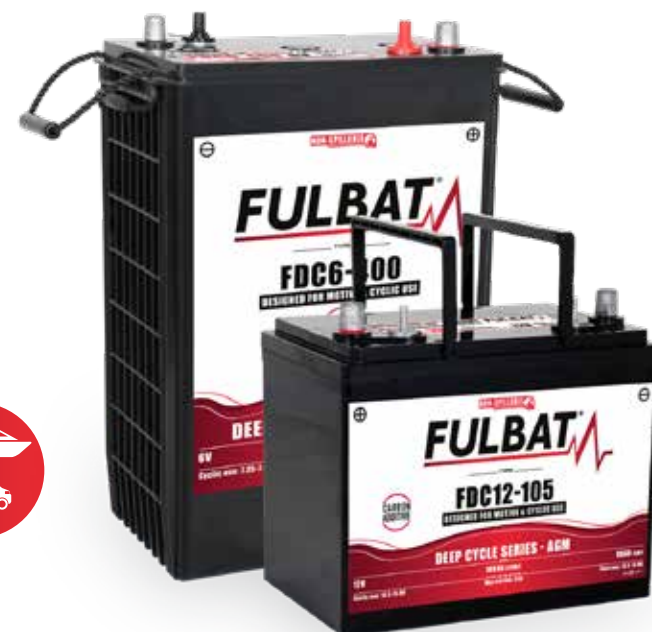
*Depth Of Discharge



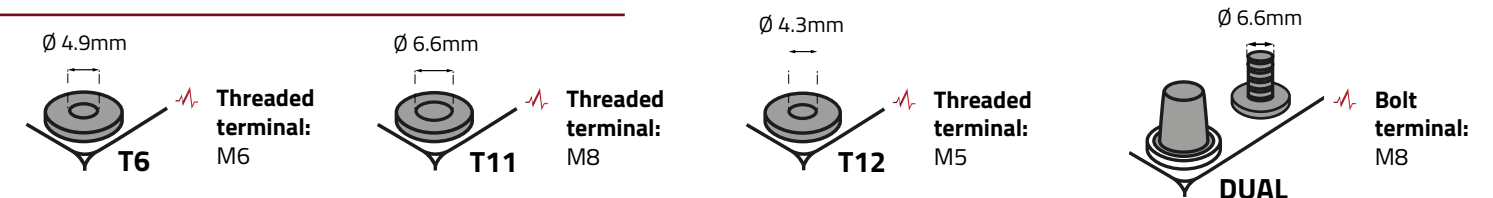
FEATURES

- Non-spillable & maintenance free
- No acid handling
- Deep cycle design for high capacity and maximum life
- Reinforced grid/plates design for optimal cyclic use
- Carbon additives to perform in partial state of charge (PSOC) and to increase charging efficiency
- No stratification phenomenon
- Robust, safe & reliable
- Low self-discharge rate for longer shelf life

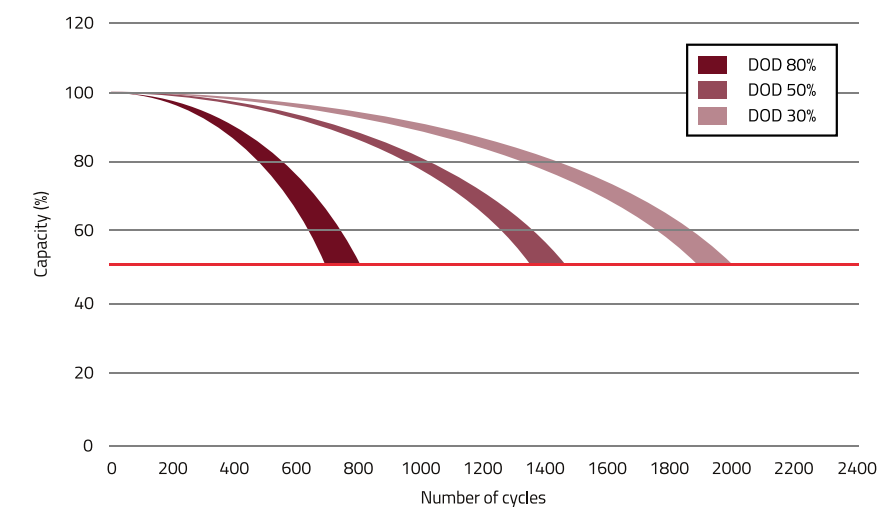
APPLICATIONS



TERMINAL CONFIGURATIONS



CYCLE LIFE



LITHIUM RANGE

High performance & lightweight

FDC Lithium Series are LiFePO4 batteries, that offer exceptional performance. Including an intelligent built-in Battery Management System (BMS) & CANbus connection to monitor the battery's status, these LiFePO4 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.

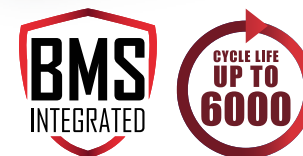
LITHIUM RANGE

High performance & lightweight

GENERAL INFORMATIONS

- Technology: LiFePO4
- 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*



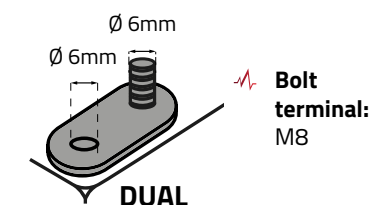
FEATURES

- 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

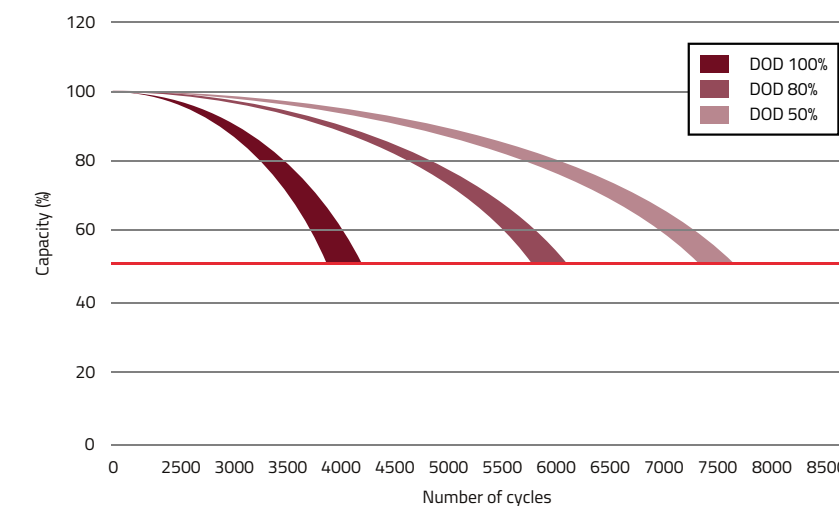
APPLICATIONS



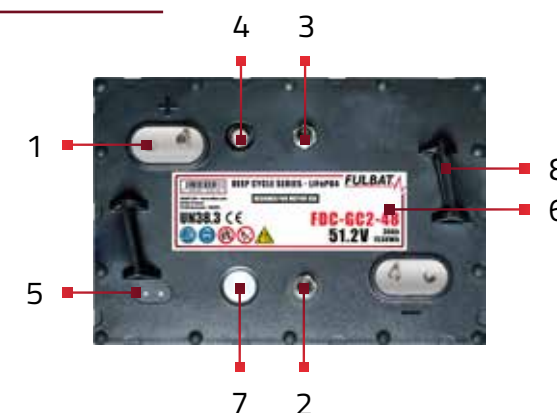
TERMINAL CONFIGURATIONS



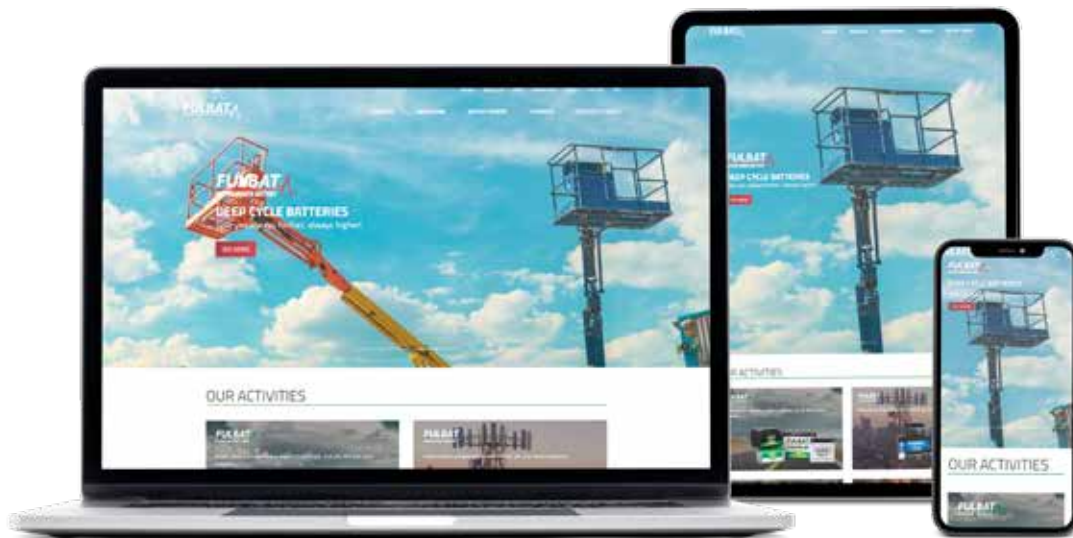
CYCLE LIFE



BATTERY DESIGN

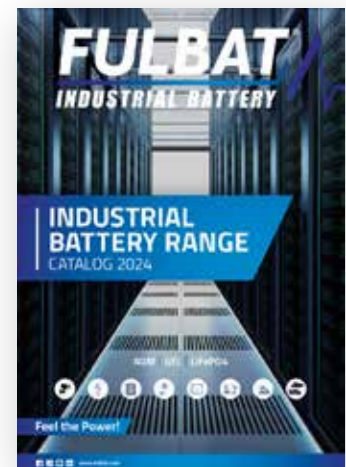


- Dual M8 Terminal
- Communication port 1
- Communication port 2
- Pressure relief valve
- LED indicators
- Heatsink
- Power button
- Lifting brackets



Visit our website for more information
www.fulbat.com

DISCOVER **FULBAT** RANGES



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