

# FULBAT<sup>®</sup>

## MOTIVE POWER BATTERY

2026

## MOTIVE POWER BATTERY RANGE



# ABOUT US

## EMPOWERING PERFORMANCE WITH EXPERT BATTERY SOLUTIONS

FULBAT is a French-based company established in 2005, recognized as a trusted partner in both OEM and replacement markets.

Backed by strong technical expertise and industry experience, we develop innovative battery solutions designed to meet the evolving needs of our customers. Our comprehensive product range includes Starter, Industrial, and Motive Power batteries, covering a wide variety of applications.

Thanks to a robust global distribution network, FULBAT products are valued for their quality, performance, and reliability. Manufactured with advanced processes and certified to ISO 9001, ISO 14001, and IATF 16949 standards, our batteries and chargers consistently meet the highest industry requirements.



Powersport



Lawn & Garden

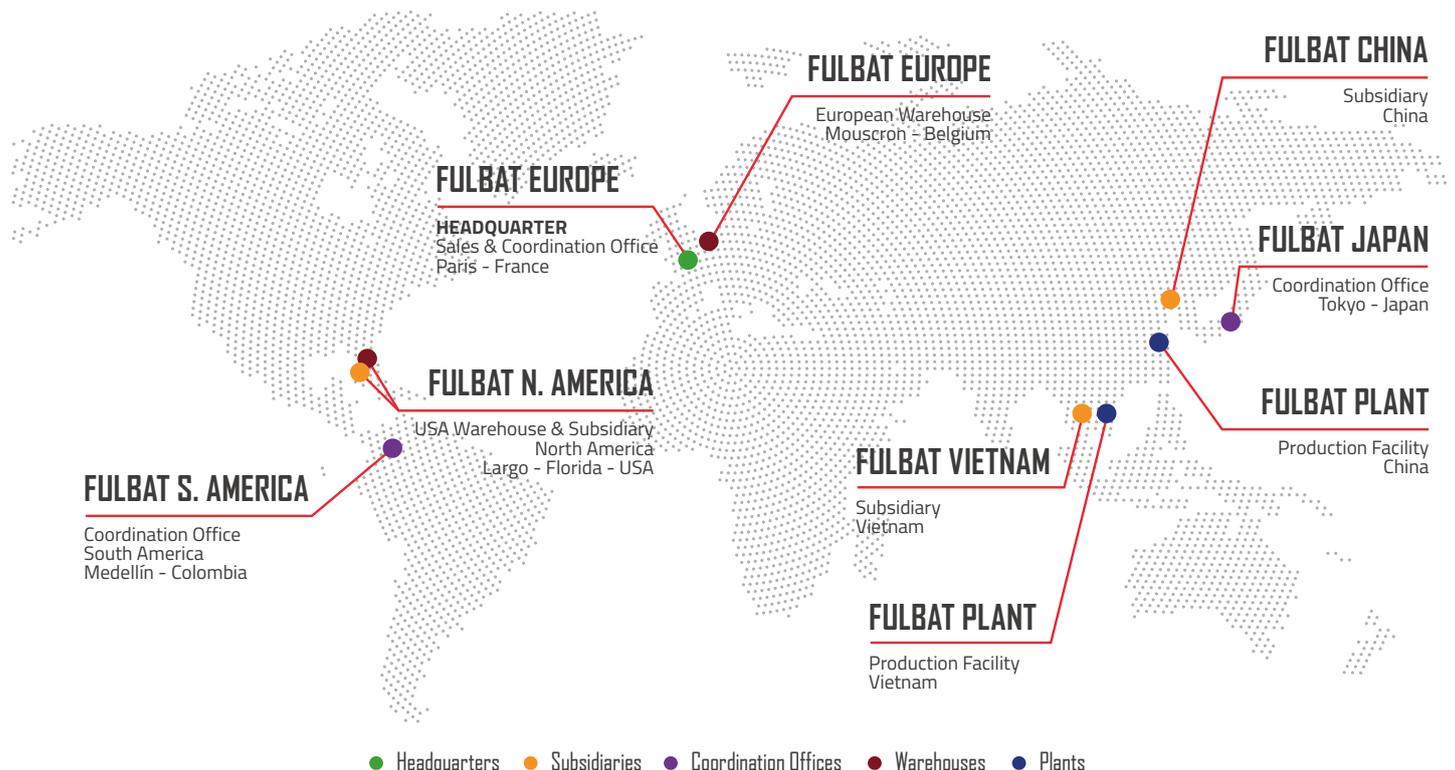


Industrial



Motive Power

## A WORLDWIDE PRESENCE



# MOTIVE POWER BATTERY INTRODUCTION

## POWER YOUR OPERATIONS, ELEVATE **YOUR PERFORMANCE**

Wherever your equipment works, indoors or outdoors, on the job or at play, FULBAT delivers the energy that keeps you moving.

Our traction batteries are built to power scrubber dryers, golf carts, and aerial work platforms, supporting both heavy-duty professional use and leisure applications.

Engineered for endurance and reliability, our batteries offer long-lasting power, high cycle life, maintenance-free technology, robust construction, and ready-to-use efficiency, so your machines perform at their best, shift after shift.



To maximize performance and extend service life, a complete range of smart chargers is also available, ensuring optimal charging, easy maintenance, and total energy control. More than powering machines, these solutions drive productivity, reliability, and peace of mind, wherever performance matters.

## MOTIVE POWER **APPLICATIONS**



# FLOODED

## HIGH PERFORMANCE & RESISTANCE



### TECHNOLOGY

**FDC Series** are Deep Cycle liquid electrolyte batteries specifically designed for **intensive use** in industrial or leisure applications such as golf carts, cleaning machine, and aerial work platforms. Their robust construction featuring thick positive and negative **grid plates** made from a special alloy provides high resistance to deep cycling, **low self-discharge**, and a **long reliable service life** even under demanding operating conditions.

### GENERAL INFORMATION

- » **Technology:** *Flooded Lead-acid (Flat Plate)*
- » **Available voltages:** *6V, 8V, 12V*
- » **Capacities from:** *120Ah to 344Ah (5hr)*
- » **Cycle life:**
  - *Up to 800 cycles at 80% DOD\* (50% capacity @20°C)*
  - *Up to 1100 cycles at 50% DOD\* (50% capacity @20°C)**\*Depth Of Discharge*
- » **Case material:** *Polypropylene*

### APPLICATIONS



### FEATURES

- » **Excellent deep-discharge resilience:** *longer life under frequent deep cycles*
- » **Low-maintenance design:** *fewer service interventions*
- » **Lead-alloy terminals:** *high vibration resistance*
- » **Reinforced grid plates:** *improved cyclic performance*
- » **99.9% pure lead negative plates:** *better deep-cycle capability*
- » **High charging efficiency:** *shorter charge times*
- » **Low water consumption:** *reduced maintenance and lower runaway risk*
- » **Reliable in harsh temperatures:** *stable performance in extreme conditions*
- » **Low self-discharge:** *longer shelf life*

DESIGNATION	P/N	BOX SIZE	VOLTAGE (V)	CAPACITY Ah (20hr)	CAPACITY Ah (5hr)	RESERVE CAPACITY (min)		DIMENSIONS (+/- 2 mm)				POLARITY	TERMINAL
						@25A	@75A	L	W	H	Total Height		
FDC-605	593001	GC2	6	210	175	383	105	259	179	245	276	⊖ ⊕	EHPT
FDC-105	593002	GC2	6	225	185	447	115	259	179	245	276	⊖ ⊕	EHPT
FDC-125	593003	GC2	6	240	195	488	132	259	179	245	276	⊖ ⊕	EHPT
FDC-305	593037	902	6	330	271	711	195	296	176	343	366	⊖ ⊕	DUAL
FDC-L16	593036	903	6	420	344	850	220	296	176	402	425	⊖ ⊕	DUAL
FDC-875	593005	GC8	8	170	145	295	75	262	181	245	276	⊕ ⊖	EHPT
FDC-1275	593007	GC12	12	150	120	280	70	329	181	245	276	⊕ ⊖	EHPT

## TERMINAL CONFIGURATIONS

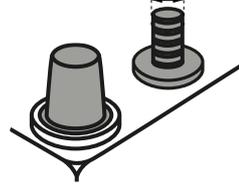
Ø5/16"



**EHPT**

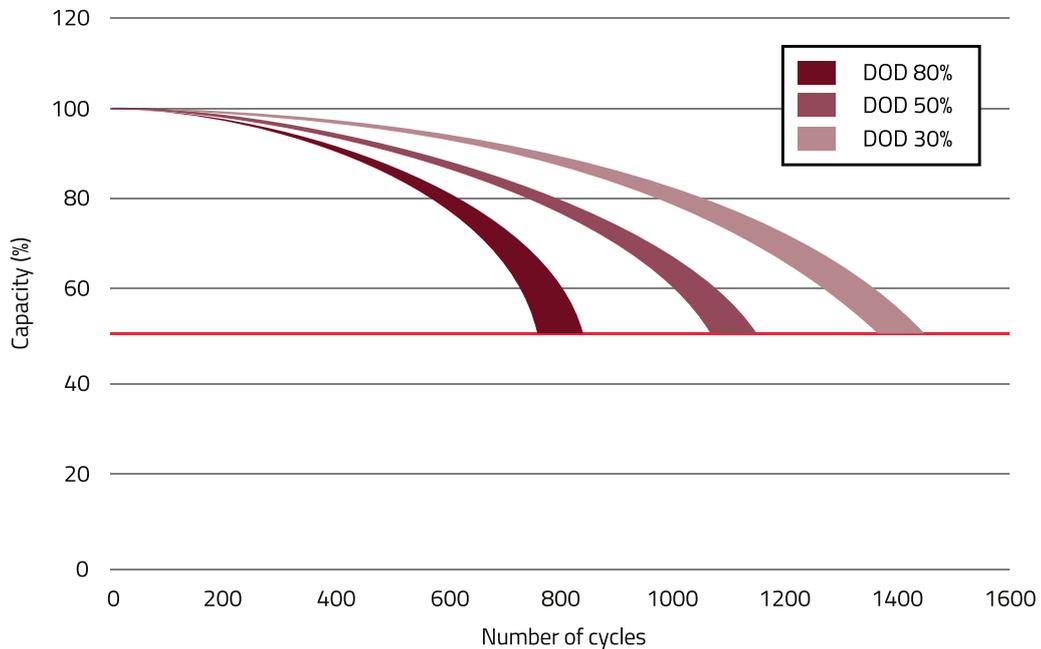
- » Terminal height: 38mm
- » Torque values: 11-12nm

Ø6.6mm



**DUAL**

## CYCLE LIFE



## WATERING KIT



» Available for GC2, GC8 and GC12 batteries: see page 14

# TUBULAR

## HIGH DISCHARGE CAPABILITY & CYCLING



### TECHNOLOGY

**FDCT Tubular Series** are Deep Cycle liquid electrolyte batteries specially engineered for demanding applications that require **long service life, high cycling performance**, and sustained **intensive discharges**. Their positive tubular armour plates provide exceptional discharge capability and greatly **enhanced endurance**, even under poor charging conditions. Thanks to their high productivity and reliability in **severe working environments**, these batteries are ideally suited for aerial work platforms, electric stackers, cleaning machines, and solar energy systems.

### APPLICATIONS



### GENERAL INFORMATION

- » **Technology:** *Flooded Lead-acid (Tubular Plate)*
- » **Available voltages:** *6V, 12V*
- » **Capacities from:** *120Ah to 185Ah (5hr)*
- » **Cycle life:**
  - *Up to 1200 cycles at 80% DOD\* (50% capacity @20°C)*
  - *Up to 2400 cycles at 50% DOD\* (50% capacity @20°C)**\*Depth Of Discharge*
- » **Case material:** *Polypropylene*

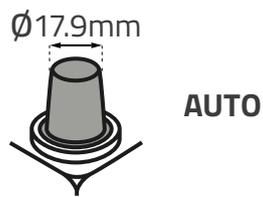
### FEATURES

- » **Tubular plate construction with free electrolyte:** *long service life*
- » **Very high cycling performance:** *extended cycle durability*
- » **High discharge capability:** *strong power output*
- » **Excellent vibration resistance:** *reliable in harsh environments*
- » **Increased endurance in poor charging conditions:** *longer lifespan*
- » **High productivity under severe working conditions:** *dependable in demanding use*

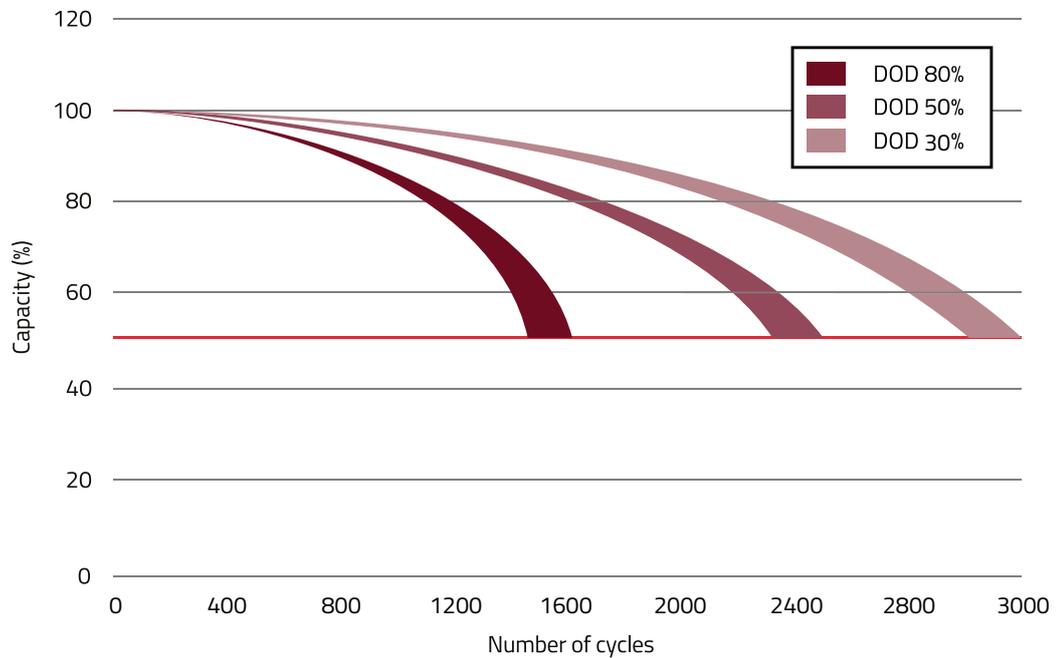


DESIGNATION	P/N	BOX SIZE	VOLTAGE (V)	CAPACITY Ah (20hr)	CAPACITY Ah (5hr)	RESERVE CAPACITY (min)		DIMENSIONS (+/- 2 mm)				POLARITY	TERMINAL
						@25A	@75A	L	W	H	Total Height		
FDCT6-185	593039	-	6	240	185	480	123	243	192	267	282	⊖ ⊕	AUTO
FDCT12-120	593040	-	12	140	120	292	65	344	175	263	285	⊖ ⊕	AUTO

## TERMINAL CONFIGURATIONS



## CYCLE LIFE



# AGM CARBON

## NON-SPILLABLE & MAINTENANCE FREE

### TECHNOLOGY

**FDC AGM Carbon Series** are Deep Cycle batteries, maintenance free and non-spillable, designed for **frequent and deep discharges**. Their robust construction ensures long life, high cycling resistance, and **low self-discharge**. **Carbon additives** enhance performance in partial state of charge (PSOC) conditions. Ideal for golf carts, cleaning machines, aerial work platforms, and other industrial or leisure applications requiring **intensive use**.

### GENERAL INFORMATION

- » **Technology:** AGM (VRLA)
- » **Available voltages:** 6V, 8V, 12V
- » **Capacities from:** 13.5Ah to 342Ah (5hr)
- » **Cycle life:**
  - Up to 750 cycles at 80% DOD\* (50% capacity @20°C)
  - Up to 1400 cycles at 50% DOD\* (50% capacity @20°C)*\*Depth Of Discharge*
- » **Case material:** Polypropylene

### FEATURES

- » **Non-spillable & maintenance-free:** safe, no refills needed
- » **No acid handling:** easy and safe installation
- » **Deep-cycle design:** high capacity and long life
- » **Reinforced grids & plates:** optimized for cyclic use
- » **Carbon additives:** better PSOC performance and charging efficiency
- » **No stratification:** consistent performance
- » **Robust and reliable:** ideal for demanding applications
- » **Low self-discharge:** longer shelf life

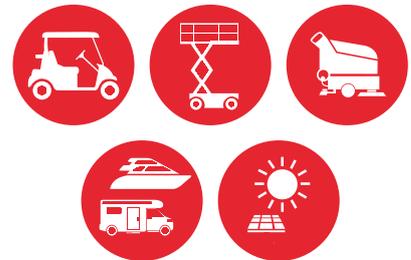


NON-SPILLABLE



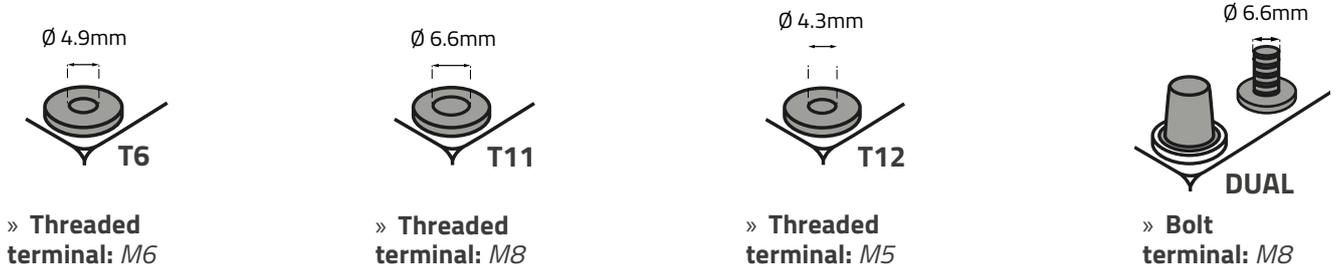
CARBON  
ADDITIVE

### APPLICATIONS

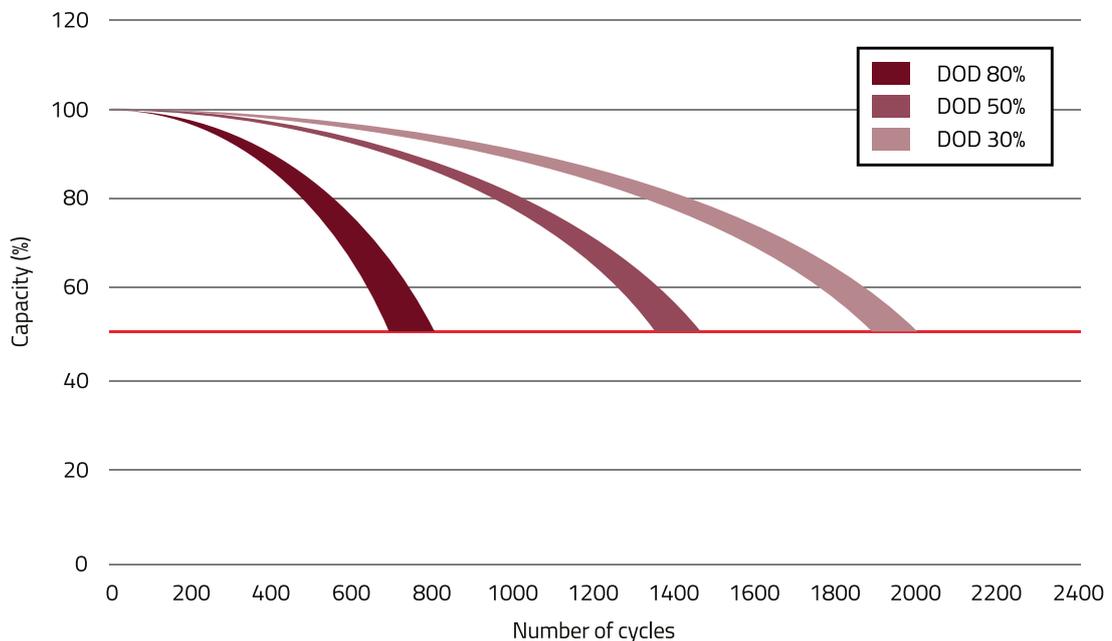


DESIGNATION	P/N	BOX SIZE	VOLTAGE (V)	CAPACITY Ah (20hr)	CAPACITY Ah (5hr)	RESERVE CAPACITY (min)		DIMENSIONS (+/- 2 mm)				POLARITY	TERMINAL
						@25A	@75A	L	W	H	Total Height		
FDC6-225	593019	GC2	6	225	192	490	135	259	180	247	253	⊖ ⊕	T11
FDC6-245	593010	-	6	245	210	530	145	243	187.5	275	275	⊕ ⊖	T11
FDC6-265	593027	GC2	6	268	230	620	165	262	180	263	268	⊖ ⊕	T11
FDC6-350	593011	902	6	350	305	820	240	295	180	346	368	⊖ ⊕	DUAL
FDC6-400	593012	903	6	400	342	925	265	295	180	406	428	⊖ ⊕	DUAL
FDC8-170	593026	GC8	8	170	145	325	-	260	180	252	274	⊕ ⊖	DUAL
FDC12-14	593022	-	12	15	13.5	-	-	151.5	99.5	99.5	98.2	⊕ ⊖	T12
FDC12-24	593013	-	12	25	22.6	-	-	181.5	77	170	170	⊖ ⊕	T12
FDC12-39	593030	-	12	39	35	-	-	195	130	167	167	⊕ ⊖	T6
FDC12-43	593031	-	12	43	34	-	-	267.5	77.5	171	171	⊖ ⊕	T12
FDC12-46	593020	-	12	53	44	-	-	197	166	170	170	⊖ ⊕	T6
FDC12-55	593033	-	12	55	48	-	-	223	123	172	175	⊖ ⊕	T6
FDC12-60	593025	-	12	68	57	-	-	229	138	216.5	216.5	⊖ ⊕	T6
FDC12-75L	593038	-	12	76	65	137	-	260	168	173	176	⊕ ⊖	T6
FDC12-75	593021	-	12	82	71	160	-	260	168	208	214	⊕ ⊖	T6
FDC12-90	593014	24	12	90	77	175	43	260	168	208	232.5	⊕ ⊖	T6
FDC12-105	593023	27	12	108	96	220	55	306	168	208	214	⊕ ⊖	T11
FDC12-115	593015	31	12	118	107	239	65	330	173	212	220	⊕ ⊖	T11
FDC12-145	593016	-	12	148	122	308	88	340	172	280	286	⊕ ⊖	T11
FDC12-150	593017	GC12	12	150	136	323	90	327	180	274	274	⊕ ⊖	T11
FDC12-180	593028	-	12	180	162	395	108	483	170	238.5	238.5	⊕ ⊖	T11

## TERMINAL CONFIGURATIONS



## CYCLE LIFE



# LITHIUM (GOLF CART)

## HIGH PERFORMANCE & LIGHTWEIGHT



### TECHNOLOGY

**FDC-GC LITHIUM Series** are high-performance LiFePO<sub>4</sub> batteries engineered to deliver reliable, long-lasting power for golf carts. Equipped with an intelligent integrated **Battery Management System (BMS)**, these batteries provide continuous protection, optimized performance, and enhanced safety under all operating conditions. Designed for **extended cycle life**, fast charging, and maintenance-free, our batteries are significantly **lighter and more efficient** than traditional Lead-acid solutions. Ideal power solution for both professional fleets and leisure users seeking reliability, autonomy, and freedom of use.



### GENERAL INFORMATION

- » **Technology:** LiFePO<sub>4</sub>
- » **Voltage:** 51.2V
- » **Capacity:** 105Ah to 160Ah (5hr)
- » **Cycle life:**
  - Up to 5000 cycles at 80% DOD\* (50% capacity @20°C)
- » **Case material:** Powder Coated Steel

\*Depth Of Discharge

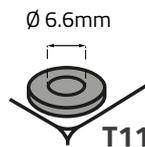
### FEATURES

- » **Extended lifespan & high cycle time:** up to 5,000 cycles - far exceeding Lead-acid batteries
- » **High energy density:** >160Wh/kg (2-3x higher than Lead-acid's 50-70Wh/kg)
- » **Lightweight design:** 50% lighter weight Vs Lead-acid batteries reducing vehicle load
- » **Fast charging:** 1-2h charging – ideal for high-frequency golf cart operations
- » **High efficiency:** stable voltage output ensures consistent performance on challenging terrain
- » **Maintenance-free:** no watering or maintenance
- » **Smart BMS protection:** self-protection against short-circuit, overheating, overcharge, overdischarge and cell balancing



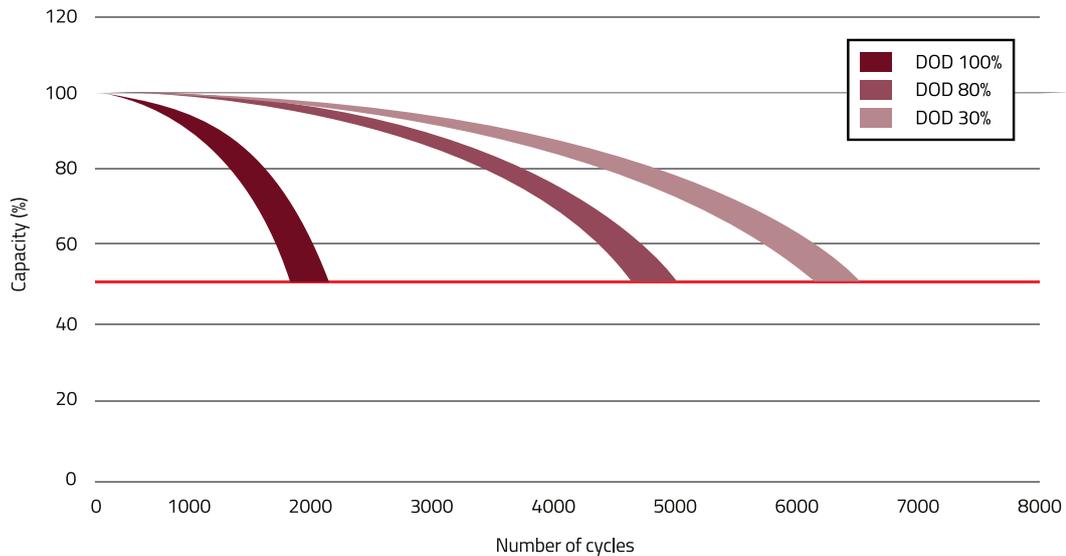
DESIGNATION	P/N	VOLTAGE (V)	CAPACITY Ah (5hr)	POWER (Wh)	MAXIMUM CONTINUOUS CHARGE / DISCHARGE CURRENT (A)	DIMENSIONS (+/- 2 mm)				POLARITY	WEIGHT (kg)	IP RATING	TERMINAL
						L	W	H	Total Height				
FDC-GC51-105S	593996	51.2	105	5376	105 / 200	470	296	281	281	+	46	IP65	T11
FDC-GC51-105M	593997	51.2	105	5376	100 / 200	500	343	256	256	+	50	IP65	T11
FDC-GC51-105L	593998	51.2	105	5376	100 / 200	550	248	265	265	+	46.8	IP65	T11
FDC-GC51-150	593999	51.2	150	7680	100 / 200	559	308	270	270	+	66.5	IP65	T11
FDC-GC51-160	593989	51.2	160	8192	160 / 200	559	308	270	270	+	66.5	IP65	T11

## TERMINAL CONFIGURATIONS



» Threaded terminal: M8

## CYCLE LIFE



## GOLF CART DISPLAY P/N: 750597

- » **Real-time battery monitoring:** provides precise real-time monitoring of the golf cart battery by displaying Battery Voltage (V) and State of Charge (%), delivering clear insight into overall battery performance and remaining power.
- » **Easy installation:** supplied with a 3 m connection cable for flexible installation and easy battery connection, even when mounted away from the dashboard.
- » **Compact & space-saving design:** with compact dimensions of 56.7x50 mm, the display integrates easily into most golf cart dashboards while minimizing space usage.



# LITHIUM (CLEANING MACHINE)

## HIGH PERFORMANCE & LIGHTWEIGHT



### TECHNOLOGY

**FDC-CM LITHIUM Series** are high-performance LiFePO<sub>4</sub> batteries engineered to deliver reliable, long-lasting power for cleaning machines. Equipped with an intelligent integrated **Battery Management System (BMS)**, these batteries ensure continuous protection, optimized energy output, and enhanced safety throughout demanding daily operations. Designed for **extended cycle life**, fast opportunity charging, and maintenance-free, our LITHIUM batteries are significantly **lighter and more efficient** than traditional Lead-acid solutions. Ideal power solution for professional cleaning fleets seeking maximum uptime, reduced downtime, and long-term cost savings.



### GENERAL INFORMATION

- » **Technology:** LiFePO<sub>4</sub>
- » **Voltage:** 25.6V, 35.2V, 48V
- » **Capacity:** 100Ah to 200Ah (5hr)
- » **Cycle life:**
  - Up to 5000 cycles at 80% DOD\* (50% capacity @20°C)
- » **Case material:** Powder Coated Steel

### APPLICATIONS



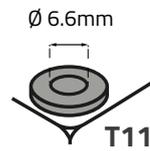
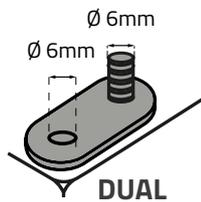
### FEATURES

- » **Extended lifespan & high cycle time:** up to 5,000 cycles - far exceeding Lead-acid batteries
- » **High energy density:** >160Wh/kg (2-3x higher than Lead-acid's 50-70Wh/kg)
- » **Lightweight design:** 50% lighter weight Vs Lead-acid batteries reducing vehicle load
- » **Fast charging:** 1-2h charging – ideal for high-frequency golf cart operations
- » **High efficiency:** stable voltage output ensures consistent performance on challenging terrain
- » **Maintenance-free:** no watering or maintenance
- » **Smart BMS protection:** self-protection against short-circuit, overheating, overcharge, overdischarge and cell balancing



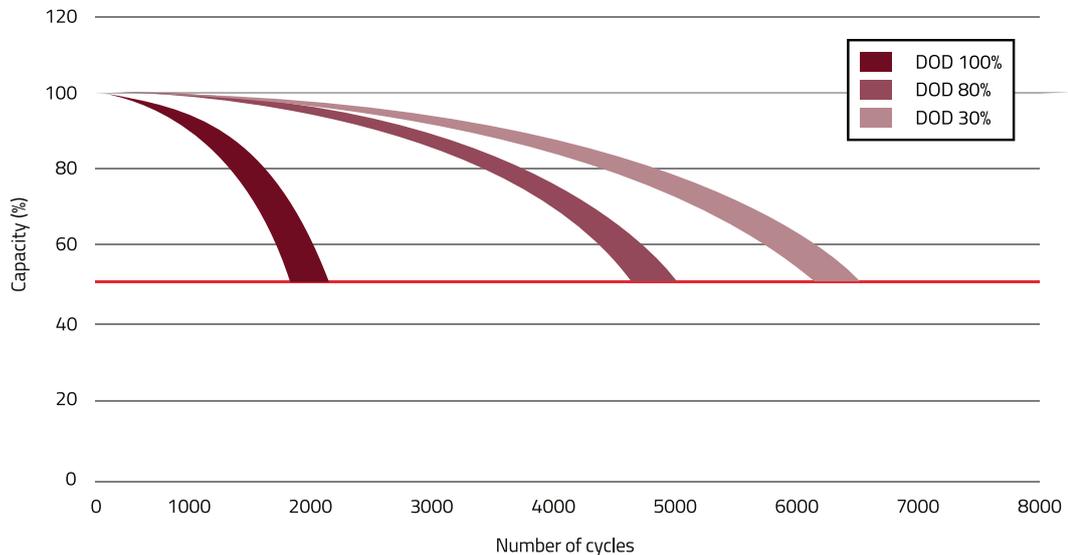
DESIGNATION	P/N	VOLTAGE (V)	CAPACITY Ah (5hr)	POWER (Wh)	MAXIMUM CONTINUOUS CHARGE / DISCHARGE CURRENT (A)	DIMENSIONS (+/- 2 mm)				POLARITY	WEIGHT (kg)	IP RATING	TERMINAL
						L	W	H	Total Height				
FDC-CM24-100	593990	25.6	100	2560	100	330	340	223	223	- +	27.5	IP65	T11
FDC-CM24-150	593991	25.6	150	3840	100	526	333	223	223	- +	46.5	IP65	T11
FDC-CM24-200	593992	25.6	200	5120	100	526	333	223	223	- +	49	IP65	T11
FDC-CM36-150	593993	35.2	150	5280	100	490	360	240	240	- +	54.5	IP65	T11
FDC-CM48-200	593994	48	200	9600	100	530	370	273	273	- +	84	IP65	T11

## TERMINAL CONFIGURATIONS



» Threaded terminal: *M8*

## CYCLE LIFE



# ACCESSORIES

## EASY MAINTENANCE & LONG LIFE



### WATERING KITS

This watering kit **simplifies** the upkeep of Flooded batteries and ensures they are filled to the ideal water level! By **automating** the watering process, this system boosts **efficiency**, safety, and **battery longevity**. These advantages translate into both **time and cost** savings!

DESIGNATION	Watering kit 24V (4x6V)	Watering kit 36V (6x6V)	Watering kit 48V (8x6V)	Watering kit 48V (6x8V)	Watering kit 48V (4x12V)
P/N	750556	750557	750558	750559	750560
SYSTEM VOLTAGE (V)	24	36	48	48	48
BATTERY VOLTAGE (V)	6	6	6	8	12
PREMOUNTED PLUGS	 x4 pcs	 x6 pcs	 x8 pcs	 x6 pcs	 x4 pcs
END STOPPERS	 x2 pcs End stoppers to be placed on a 6mm tube or on an all-in-one male connector.				
ALL-IN-ONE COUPLE MALE	 x1 pc 1. A decompression valve for the system activates when the user fills the batteries under pressure exceeding 1 bar. 2. An integrated filter can be cleaned by simply pressing on the valve inlet (when the connection still contains water). 3. A flow indicator (yellow balls rotating around the filter) during battery filling. 4. Two outlets for 6mm hose, enabling closed-loop mounting of the filling circuit on the battery.				
PVC TUBE	 x1 pcs Diameter: 6mm Thickness: 1.5mm Length: 3m				
QUICK COUPLING FEMALE	 x1 pc This connector must be connected to the all-in-one coupler on one side and to a 10mm tube on the other (tube not included in this kit).				

# CHARGERS COMPATIBILITY GUIDE

## POWERFUL CHARGER & MAINTAINER



### FOR FLOODED & AGM BATTERIES

DESIGNATION	P/N	VOLTAGE (V)	CHARGING CURRENT (A)	DIMENSIONS (+/- 2 mm)			BATTERY COMPATIBILITY	
				L	W	H	FLOODED	AGM CARBON
NR1210	750610	12	10	187	123	62	-	FDC12-14, FDC12-24, FDC12-39, FDC12-43, FDC12-46, FDC12-55, FDC12-60, FDC12-75L, FDC12-75, FDC12-90, FDC12-105, FDC12-115
N1220	750611		15	187	122	72.7	FDC-1275	FDC12-145, FDC12-150
	750612		20					FDC12-180
N1225	750613		25	232	128	81.2	FDC-105, FDC-125	-
NR2410	750582	24	10	187	123	62	-	FDC12-14, FDC12-24, FDC12-39, FDC12-43, FDC12-46, FDC12-55, FDC12-60, FDC12-75L, FDC12-75, FDC12-90, FDC12-105, FDC12-115
N2420	750583		15	187	122	72.7	FDC-875, FDC-1275	FDC12-145, FDC12-150
	750584		20					FDC8-170, FDC12-180
N2425	750588		25	232	128	81.2	-	FDC6-225, FDC6-245
NR2430	750602		30	230.2	135.2	77	FDC-105, FDC-125	FDC6-265
N2450	750587		35	282	167	94.2	-	FDC6-350
	750573	40	FDC6-400					
N3620	750603	36	10	232	128	81.2	-	FDC12-14, FDC12-24, FDC12-39, FDC12-43, FDC12-46, FDC12-55, FDC12-60, FDC12-75L, FDC12-75, FDC12-90, FDC12-105, FDC12-115
	750604		15					FDC12-145, FDC12-150
	750594		20					FDC-1275
NR3630	750585		30	230	135.2	77	FDC-105, FDC-125	FDC6-265
N3650	750578		50	315	199.5	117	-	FDC6-350, FDC6-400
N4815	750605	48	10	187	122	72.7	-	FDC12-14, FDC12-24, FDC12-39, FDC12-43, FDC12-46, FDC12-55, FDC12-60, FDC12-75L, FDC12-75, FDC12-90, FDC12-105, FDC12-115, FDC12-145, FDC12-150
	750586		15					
N4825	750606		20	232	128	81.2	FDC-875, FDC-1275	FDC8-170, FDC12-180
	750607		25					FDC6-225, FDC6-245
N4835	750572		30	282	167	94.2	FDC-105, FDC-125	FDC6-265
	750608		35					FDC6-350
N4850	750609		40	315	199.5	117	-	FDC6-400

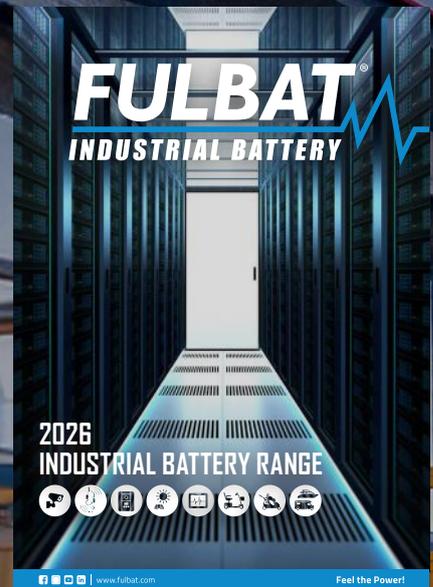
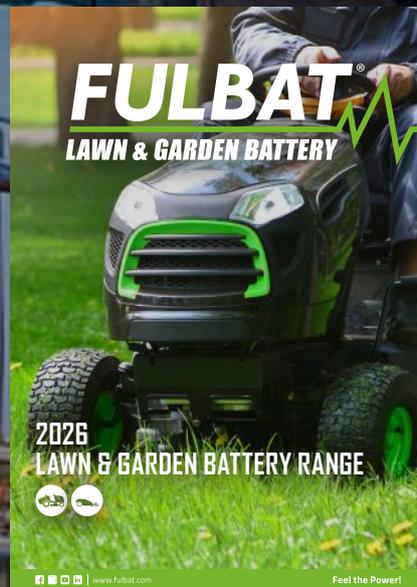
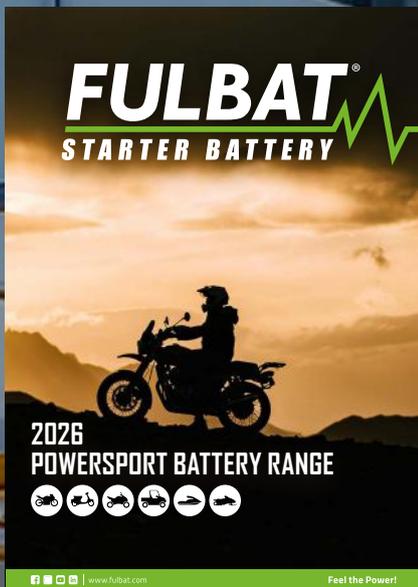
### FOR LITHIUM BATTERIES ONLY

DESIGNATION	P/N	VOLTAGE (V)	CHARGING CURRENT (A)	DIMENSIONS (+/- 2 mm)			BATTERY COMPATIBILITY - LITHIUM ONLY
				L	W	H	
FLC-25.6-30	750598	25.6	30	281	124	81	FDC-CM24-100/150/200
FLC-35.2-25	750599	35.2	25	281	124	81	FDC-CM36-150
FLC-48-25	750601	48	25	326.5	194.1	88	FDC-CM48-200
FLC-51.2-20	750596	51.2	20	326.5	194.1	88	FDC-GC51-105S/M/L, FDC-GC51-150, FDC-GC51-160

# FULBAT<sup>®</sup>

MOTIVE POWER BATTERY

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