

# 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

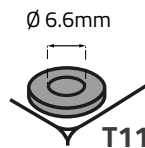
### FEATURES

- » **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



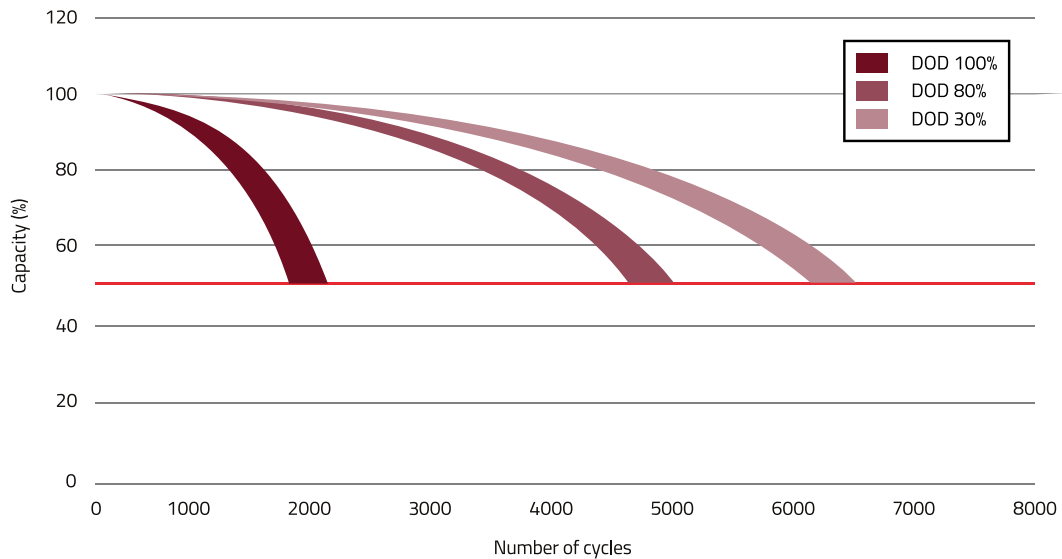
DESIGNATION	P/N	VOLTAGE (V)	CAPACITY Ah (5hr)	POWER (Wh)	MAXIMUM CONTINUOUS CHARGE / DISCHARGE CURRENT (A)	DIMENSIONS (+/- 2 mm)				POLARITY	WEIGHT (kg)	IP RATING	TERMINAL
						L	W	H	Total Height				
FDC-GC51-105S	593996	51.2	105	5376	105 / 200	470	296	281	281	+	46	IP65	T11
FDC-GC51-105M	593997	51.2	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



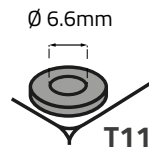
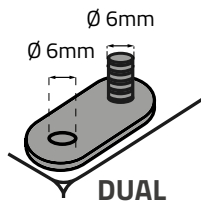
### FEATURES

- » **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

