

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.

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



FLOODED RANGE

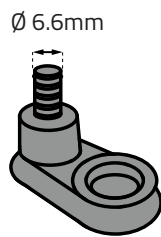
High performance & resistance



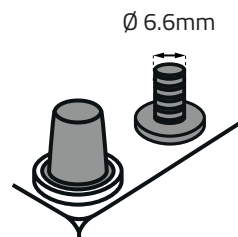
Designation	P/N	Box size	Voltage (V)	Capacity Ah (20Hr)	Capacity Ah (5Hr)	Reserve capacity (capacity minutes)		Dimensions (±2mm)				Polarity	Terminal
						@25A (min)	@75A (min)	L	W	H	Total height		
FDC-605	593001	GC2	6	210	175	383	105	259	179	245	276		EHPT
FDC-105	593002	GC2	6	225	185	447	115	259	179	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

Watering kits available for GC2, GC8 and GC12 batteries - p.10

TERMINAL CONFIGURATIONS

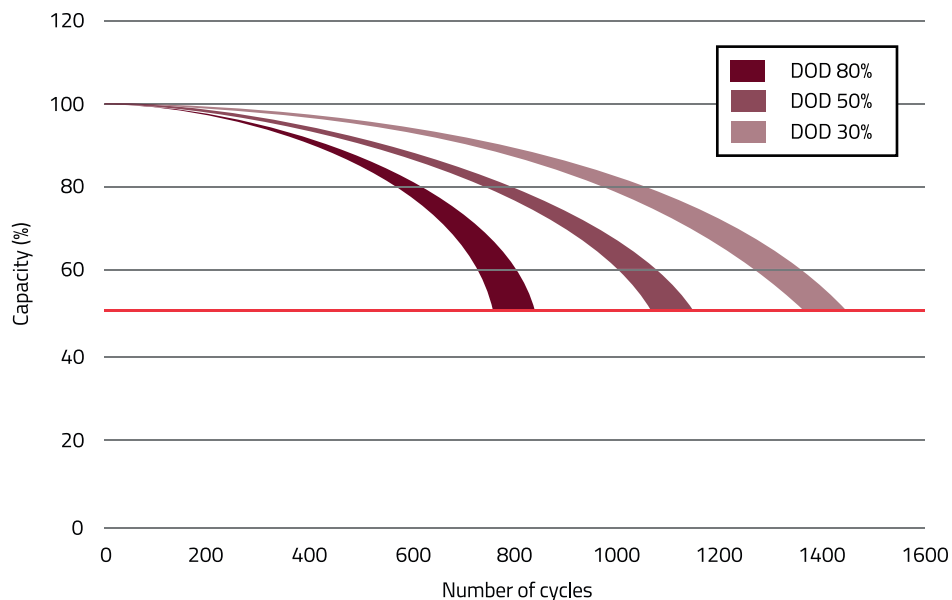


- Terminal height:** 38mm
- Torque values:** 11 – 12nm
- Bolt terminal:** M8



- Bolt terminal:** M8









CYCLE 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)	24V	36V	48V	48V	48V
Battery voltage (V)	6V	6V	6V	8V	12V
Premounted plugs	 x4pcs	 x6pcs	 x8pcs	 x6pcs	 x4pcs
End stoppers	 x2pcs End stoppers to be placed on a 6mm tube or on an all-in-one male connector.				
All-in-one couple male	 x1pc <ol style="list-style-type: none"> 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	 x1pc Diameter: 6mm Thickness: 1.5mm Length: 3m				