

HIGH CYCLIC LiFePO4 RANGE

High performance & light weight



FLP Series are Lithium Iron Phosphate (LiFePO4) batteries specially designed to replace lead acid batteries thanks to their standard size cases and their similar charging voltage. The FLP Series offer many advantages compared to lead acid in terms of weight, cyclic performance, safety and power.

GENERAL INFORMATIONS

- ▲ Use: cyclic use
- ▲ Technology: Lithium Iron Phosphate (LiFePO4)
- ▲ Available voltages: 6V - 12V
- ▲ Capacities from 5.4Ah to 200Ah
- ▲ Cycle life:
 - Up to 2000 cycles at 100% DOD* (50% capacity @20°C)
 - Up to 4000 cycles at 80% DOD* (50% capacity @20°C)
- ▲ Case material: ABS UL94-HB

*Depth Of Discharge



FEATURES

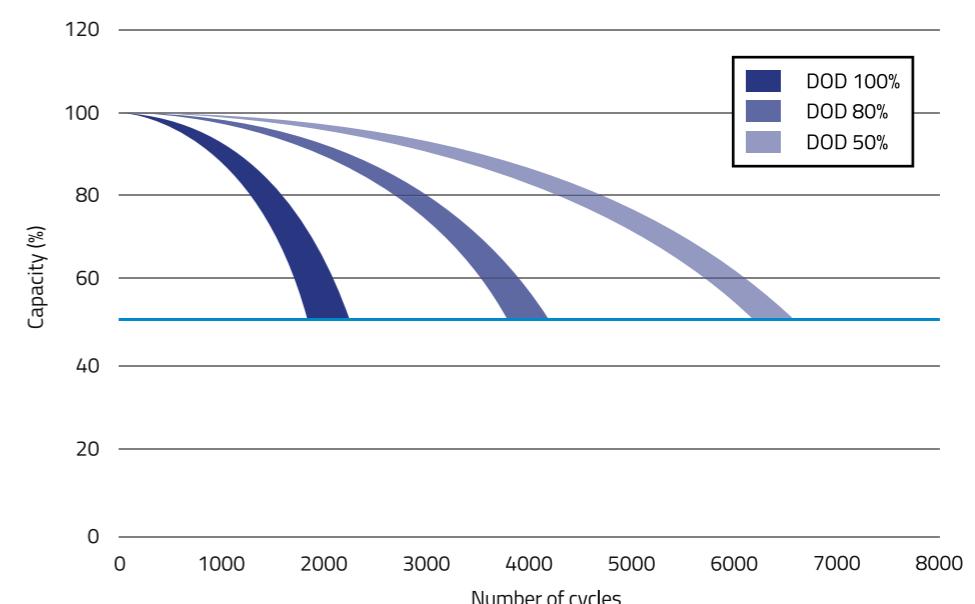
- ▲ High cyclic performances: x10 compared to AGM standard batteries
- ▲ Lighter weight: 60% lighter than lead acid battery
- ▲ Very high recovery from deep discharge – up to 100% DOD (vs 50% to 80% for AGM)
- ▲ Very high charge and discharge current accepted (to 10 times faster than lead acid batteries)
- ▲ Protection circuit integrated (PCM): overcharge protection, overdischarge protection, temperature protection & balancing function
- ▲ Wide range of operating temperatures: from -20°C to +60°C
- ▲ Safety: non-spillable, no acid in the battery, no risk of explosion, no gas emission
- ▲ Operation in any orientation
- ▲ PSOC: Partial State Of Charge accepted
- ▲ Low self-discharge rate (about 3% per month at 20°C)
- ▲ Can be charged with a standard lead acid charger (without desulfatation step)
- ▲ Power and volume ratio yielding unrivalled energy density

APPLICATIONS



Fulbat designation	Technology	Voltage (V)	Capacity Ah (5Hr)	Dimensions mm (±2mm)			Net weight (kg)	Terminals*	Layout*
				L	W	H			
FLP6-5.4	LiFePO4	6.4	5.4	70	47	101	105	0.35	T1 5
FLP12-9	LiFePO4	12.8	9	151	65	94	99	1.10	T2 4
FLP12-12	LiFePO4	12.8	12	151	98	95	100	1.68	T2 4
FLP12-24	LiFePO4	12.8	24	181	77	167	167	2.90	T12 2
FLP12-36	LiFePO4	12.8	36	195	130	162	162	4.20	T6 1
FLP12-40	LiFePO4	12.8	40	195	165	175	175	5.80	T6 2
FLP12-60	LiFePO4	12.8	60	229	138	217	217	9.50	T6 1
FLP12-100	LiFePO4	12.8	100	326	171.7	212	212	13.90	T11 1
FLP12-150	LiFePO4	12.8	150	483	170	238	238	20.20	T11 1
FLP12-200	LiFePO4	12.8	200	521	233	220	220	22.60	T11 1

CYCLE LIFE



*Terminals / Layout p.14