

Lithium-Ion 12V LFeLi series



-20°C ~ +60°C
TEMPERATURE RANGE

Up to 12 months at 25°C
SELF-DISCHARGE

3 Years*
WARRANTY

3200-4000 cycles*
NUMBER OF CYCLES AT 60% DOD

* depending on the application and the actual model

Lithium-Ion batteries offer extreme cyclic abilities compared to lead-acid batteries. For cyclic demanding applications Leoch has developed Lithium-Ion (LiFePo₄) batteries to replace 12V top terminal lead acid batteries offering 5000 cycles at 50% DoD, top terminal design and a wide range of capacities for easy "drop-in" replacement.

GENERAL FEATURES

ECO FRIENDLY
Environmentally friendly without any heavy metals inside

LONG LIFE
Low self-discharge (≤2% per month) for increased shelf life (up to 1 year at 25°C)

DEPTH OF DISCHARGE
Extreme cycle life, up to 5000 cycles at 50% DoD to reduce CAPEX & OPEX in cyclic applications

LITHIUM TECHNOLOGY
Lithium-Ion Phosphate chemistry has a high thermal runaway threshold being the safest market lithium technology

LIGHT WEIGHT
Light weighted, with high energy density

FAST CHARGING
Fast charge capability of up to 1C10 offers unparalleled charging performance

BATTERY SPECIFICATIONS

Model	Nominal Voltage (V)	Rated Capacity 10Hr @ 2.70V/cell (AH)	Approx. Dimensions								Approx. Weight	
			Length		Width		Height		Total Height		kg	lbs
			mm	in.	mm	in.	mm	in.	mm	in.		
LFeLi-1207M	12.8	7	151.00	5.94	65.00	2.56	93.50	3.68	99.00	3.90	0.90	2.10
LFeLi-1209M	12.8	9	151.00	5.94	65.00	2.56	93.50	3.68	99.00	3.90	1.00	2.20
LFeLi-1212M	12.8	12	151.00	5.94	98.00	3.86	95.00	3.74	101.00	3.98	1.90	4.20
LFeLi-1220M	12.8	20	181.50	7.15	77.00	3.03	167.50	6.59	167.50	6.59	2.60	5.70
LFeLi-1233M	12.8	33	166.00	6.54	175.00	6.89	125.00	4.92	125.00	4.92	4.20	9.30
LFeLi-1240M	12.8	40	197.00	7.76	165.00	6.50	170.00	6.69	170.00	6.69	5.40	11.90
LFeLi-1250M	12.8	50	257.00	10.12	132.00	5.20	200.00	7.87	200.00	7.87	7.00	15.40
LFeLi-1255M	12.8	55	257.00	10.12	132.00	5.20	200.00	8.07	211.00	8.31	7.40	16.30
LFeLi-1260M	12.8	60	260.00	10.24	168.00	6.61	208.00	8.07	211.00	8.31	8.40	18.50
LFeLi-1275M	12.8	75	260.00	10.24	168.00	6.61	208.00	8.19	214.00	8.43	9.30	20.50
LFeLi-12100M	12.8	100	330.00	12.99	173.00	6.81	212.00	8.35	220.00	8.66	13.10	28.90
LFeLi-12150M	12.8	150	483.00	19.02	170.00	6.69	238.50	9.39	238.50	9.39	21.30	47.00
LFeLi-12200M	12.8	200	522.00	20.55	240.00	9.45	218.00	8.58	224.00	8.82	24.20	53.40

PERFORMANCE CHARACTERISTICS

