



LITHIUM-IRON BATTERIES - CLI

LITHIUM-IRON BATTERY APPLICATIONS

CLI is our range of lithium-iron batteries. Canbat CLI series offers a complete range of 12V and 48V LiFePO₄ battery products for the following applications:

- Renewable Energy
- Telecommunication
- UPS (Uninterruptible Power Supply)
- Medical Equipment
- Street lighting
- Electric vehicles

Volts available: 12V and 48V
Capacities: from 4.5 Ah up to 200 Ah
Operating temperature: from -20°C to +60°C
Cycle life: 2000 cycles @1C 100% DOD

HIGH CYCLE LIFE AND SUPERIOR SAFETY

Lithium batteries have a 20 times higher cycle life than lead acid batteries. They also have a 5 times higher float life and are about 40% lighter in weight. Canbat lithium iron batteries use LiFePO₄ technology, promoting an excellent battery life and enhanced safety performance. Our 48V series has an embedded BMS function, offering voltage, current, temperature protection and other alarm functions. Furthermore, with an integrated cooling system, they can tolerate a high temperature of up to 60°C, further promoting a safer operation.



Here is a sample selection of the batteries available in the CLI series, please visit www.canbat.ca for the full range.

Model	Voltage (V)	Capacity (Ah)	Length		Width		Height		Total Height		Weight	
			mm	in.	mm	in.	mm	in.	mm	in.	kg	lbs
CLI4.5-12	12	4.5	89	3.5	69	2.72	101	3.98	107.0	4.21	0.9	1.9
CLI7.5-12	12	7.5	151	5.94	65	2.56	93.5	3.68	99.0	3.90	1.3	2.9
CLI12-12	12	12	151	5.94	98	3.86	95	3.74	101.0	3.98	1.9	4.2
CLI18-12	12	18	181.5	7.15	77	3.03	167.5	6.59	167.5	6.59	2.7	6
CLI20-12	12	20	181.5	7.15	77	3.03	167.5	6.59	167.5	6.59	3	6.6
CLI30-12	12	30	166	6.54	175	6.89	125	4.92	125.0	4.92	4.3	9.5
CLI33-12	12	33	166	6.54	175	6.89	125	4.92	125.0	4.92	4.7	10.4
CLI40-12	12	40	197	7.76	165	6.5	170	6.69	170.0	6.69	5.9	13
CLI50-12	12	50	197	7.76	165	6.5	170	6.69	170.0	6.69	7	15.4
CLI55-12	12	55	229	9.02	138	5.43	205	8.07	211.0	8.31	7.6	16.8
CLI60-12	12	60	260	10.24	168	6.61	208	8.19	214.0	8.43	8.5	18.7
CLI75-12	12	75	260	10.24	168	6.61	208	8.19	214.0	8.43	11.5	25.4
CLI100-12	12	100	342	13.46	173	6.81	212	8.35	220.0	8.66	13.6	30
CLI150-12	12	150	483	19.02	170	6.69	224.5	8.84	238.5	9.39	21.3	47
CLI200-12	12	200	522	20.55	240	9.45	218	8.58	224.0	8.82	29.6	65.3
CLI10-48	48	10	442	17.382	330	12.978	44	1.7303	44.0	1.73	9.5	21.0
CLI20-48	48	20	442	17.382	330	12.978	88	3.4607	88.0	3.46	14	30.9
CLI30-48	48	30	436	17.146	400	15.73	132.5	5.2107	132.5	5.21	20	44.1
CLI40-48	48	40	436	17.146	400	15.73	132.5	5.2107	132.5	5.21	25	55.2
CLI50-48	48	50	436	17.146	350	13.764	132.5	5.2107	132.5	5.21	26	57.4
CLI60-48	48	60	436	17.146	400	15.73	132.5	5.2107	132.5	5.21	33	72.8
CLI75-48	48	75	440	17.303	401.5	15.789	177.5	6.9803	177.5	6.98	42	92.7
CLI80-48	48	80	436	17.146	420	16.517	220	8.6517	220.0	8.65	39	86.0
CLI100-48	48	100	436	17.146	420	16.517	220	8.6517	220.0	8.65	49	108.1

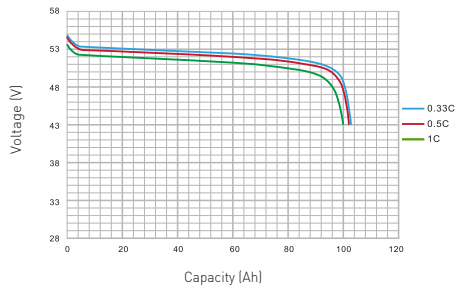
THE BEST PERFORMING LITHIUM TECHNOLOGY

Canbat uses the most advanced lithium technology: Lithium-iron Phosphate (LiFePO₄). Unlike other types of lithium technologies, such as Lithium-ion or Lithium-ion Polymer, our Lithium-iron batteries provide a superior cycle life of over 2,000 cycles at a 100% rate of discharge. Lithium-iron technology is particularly suitable for high temperature environments. Canbat lithium batteries are flame retardant and have fast charging capabilities. We also offer high quality air-conditioned outdoor cabinets, specifically designed for housing and protecting lithium batteries from direct sunlight, rain and other weather conditions.

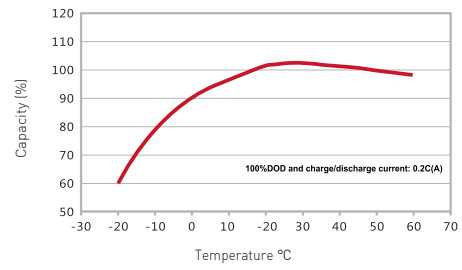


TECHNICAL SPECIFICATION

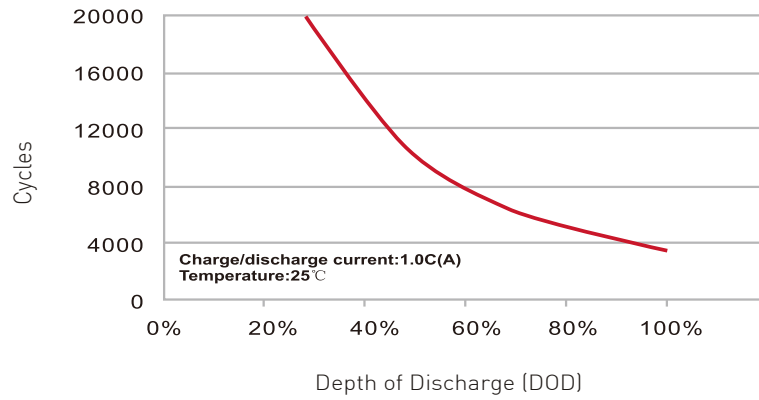
Discharge Capacity in Relation to Discharge Rate



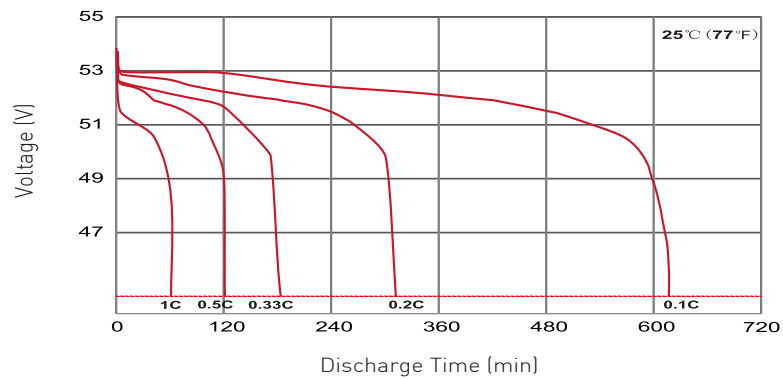
Temperature Effect in Relation



Depth of Discharge in Relations to Cycle Life



Discharge Time in Relations to Discharge Rate



ALL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE