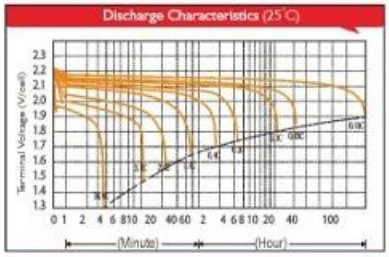
LEAD-CRYSTAL BATTERIES

(LC SERIES)

Features

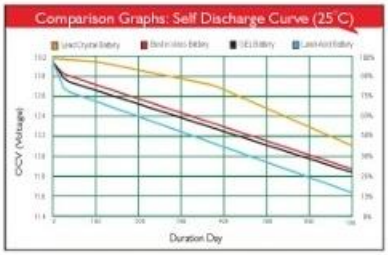
- High-pure lead active material on plates
- An acidic SiO_2 electrolyte solution solidifies into a white crystalline powder when charged/discharged
- Made from ultra-fine glass fiber separator of high porosity, using cathode absorption
- Battery life is much longer, especially in deep cycle
- Excellent charge performance: 3 times faster than coneventional AGM batteries
- Reliable operation at extreme temperatures (-40 °C to +60 °C)
- Y & M Gel technology from Toyama University in Japan
- Comply with the standards: JISC8704, BS6290 Part 4 IEC61427 & IEC60896, IEC60896-21/22

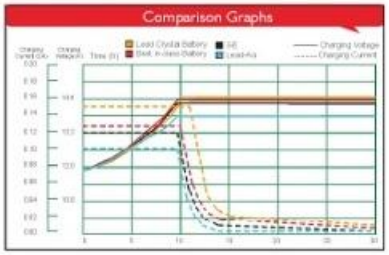
Characteristics

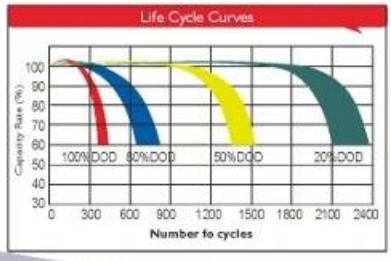


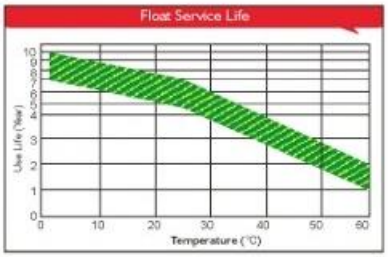
Discharge Current And Final Discharge Voltage

DISCHARGE CURRENT (A)	FINAL DISCHARGE VOLTAGE (V/CELL)
0.05C or below or intermittent discharge	1.9
0.05C of current close to it	1.85
0.1C of current close to it	1.75
From 0.2C to 0.5C	1.7
From 0.5C to 1C	1.6
From 1C to 3C	1.5
Current in excess of 3C	1.3









LEAD-CRYSTAL BATTERIES

(LC SERIES)

Specification

Int'l Model	Volt (V)	Capacity (Ah @ 20h)	MCA (A)	CCA (A)	Dimension (mm)				Approx. Weight	Terminal	
					L	W	H	T.H.		Type	Position
LC200-6	6	200	1920	1460	306	168	220	225	30.5	T5	F
LC210-6	6	210	1950	1480	260	180	247	252	30.0	T5	F
LC220-6	6	220	1980	1500	306	168	220	225	32.0	T5	F
LC225-6	6	225	1990	1600	260	180	247	252	30.0	T5	F
LC240-6	6	240	2350	1800	243	187	275	275	31.5	T5	F
LC250-6	6	250	2500	1850	260	180	265	272	35.0	T5	F
LC330-6	6	330	3100	2300	295	178	354	360	45.5	T5 (M8X16)/DT	F
LC335-6	6	350	3300	2500	295	178	354	360	47.0	T5 (M8X16)/DT	F
LC400-6	6	400	3800	2900	295	178	404	410	56.0	T5 (M8X16)/DT	F
LC450-6	6	450	4100	3200	295	178	404	410	57.0	T5 (M8X16)/DT	F
LC200-8	8	200	2000	1600	260	182	295	301	38.5	T5 (M8X16)	A
LC4-12	12	5	160	130	90	70	101	107	1.5	F1/F2	A
LC7-12	12	7	200	160	151	65	94	100	2.3	F1/F2	D
LC14-12	12	14	230	210	152	99	96	102	3.9	F1/F2	D
LC20-12	12	20	330	305	181	77	167	167	5.9	T1 (M5X16)/L1	B
LC24-12	12	24	400	360	166	175	126	126	8.3	T2 (M6X16)	B
LC26-12	12	26	430	380	165	126	174	179	8.5	T3 (M6X12)	B
LC35-12	12	35	590	460	196	130	155	167	10.5	T3 (M6X16)	A
LC40-12	12	40	610	470	198	166	174	174	14.2	T3 (M6X16)	B
LC55-12	12	55	640	490	229	138	208	212	16.8	T3 (M6X16)	B
LC70-12	12	70	690	550	350	167	178	178	24.0	T3 (M6X16)	B
LC75-12	12	75	750	580	260	169	211	215	25.0	T3 (M6X16)	A
LC85-12	12	80	770	640	260	169	211	215	26.0	T3 (M6X16)	A
LC90-12	12	90	860	680	307	169	211	216	28.0	T3 (M6X16)	A
LC100-12	12	100	990	750	307	169	211	216	30.0	T3(M6X16)/T4	A
LC120-12	12	120	1050	850	331	176	214	220	33.0	T4 (M8X16)/AP	A
LC130-12	12	130	1200	960	407	173	210	233	39.0	T5 (M8X16)	A
LC140-12	12	140	1300	1060	341	173	283	288	41.0	T5 (M8X16)	B
LC150-12	12	150	1450	1125	484	171	241	241	46.0	T4 (M8X16)	A
LC180-12	12	180	1782	1350	532	206	216	222	57.0	T4 (M8X16)	C
LC200-12	12	200	1980	1500	532	206	216	222	59.0	T4 (M8X16)	C
LC220-12	12	220	2200	1650	522	240	219	225	66.0	T5 (M8X16)	C
LC240-12	12	240	2350	1800	520	269	203	209	71.0	T5 (M8X16)	C
LC260-12	12	260	2550	1960	520	268	220	226	77.0	T5 (M8X16)	C

Construction

Positive plate	Negative plate	Container & Cover	Safety Valve	Terminal	Separator	Electrolyte	Sealing Technology
Thick and high Sn &low Ca grid with special paste	Balanced Pb-Ca grid for improved recombination efficiency	ABS (UL94-V0) optional	Flame Si-Rubber and aging resistance	Female Copper Insert DT (torque: 10-12N.m	Adanced AGM Separator for high pressure cell design	Dilute high purity sulphuric acid with fumed silicon gel	Two layers epoxy resin seal

RoHS Recyclable ISO9001 ISO14001 OHASA 18001

NPMG series-01-N-EN (V 2.0-July-2017) subject to revision without prior notice