LIVEN BATTERY

12V 260AH LVJ260-12

LVJ-series GEL Battery

LIVEN LVJ Series - Storage-type Gelled Battery

- High performance, completely maintenance-free, low self-discharge
- 100% precise quality testing, stable quality and high reliable performance
- Unique grid alloy formula, Gelled electrolyte formula and updated manufacturing technique
- Floating & standby use: up to 12 years
- Cycle use 1: Up to 350 cycles at 100% DOD
- Cycle use 2: Up to 1800 cycles at 15% DOD

Application:

- Telecommunications
- UPS / EPS
- DC Power Supply
- Solar System
- Wind Power System
- Auto Control System

ISO14001 ISO9001 TB09075935 MH 47104

Construction:

- Component .....Raw material
- Positive .....Lead dioxide
- Negative .....Lead
- Container .....ABS
- Cover .....ABS
- Sealant .....Epoxy
- Safety valve .... Rubber
- Terminal .....Copper/Pb
- Separator .....Fiber glass
- Electrolyte ..... Gelled acid

Specification:

Cells Per Unit	6
Voltage Per Unit	12
Capacity	260Ah@10hr-rate to 1.80V per cell @25℃
Weight	Approx.74.0 Kg (Tolerance±1.5%)
Max. Discharge Current	2600A (5 sec)
Internal Resistance	Approx. 3.5 mΩ
Operating Temperature Range	Discharge: -20℃~60℃ Charge: 0℃~50℃ Storage: -20℃~60℃
Normal Operating Temperature Range	25℃±5℃
Float charging Voltage	13.6 to 13.8 VDC/unit Average at 25℃
Recommended Maximum Charging Current Limit	78 A
Equalization and Cycle Service	14.6 to 14.8 VDC/unit Average at 25℃
Self Discharge	LIVEN Valve Regulated Lead Acid (VRLA) batteries can be stored for more than 6 months at 25℃. Self-discharge ratio less than 3% per month at 25℃. Please charge batteries before using.
Terminal	Terminal F14
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.

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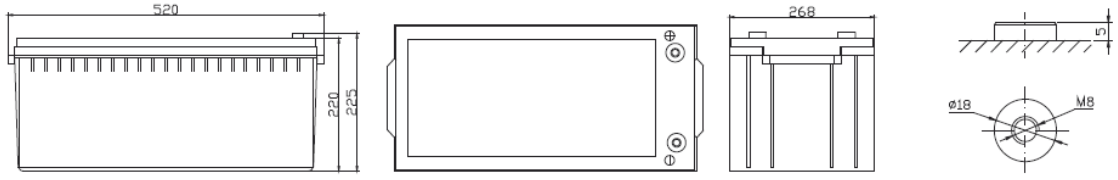
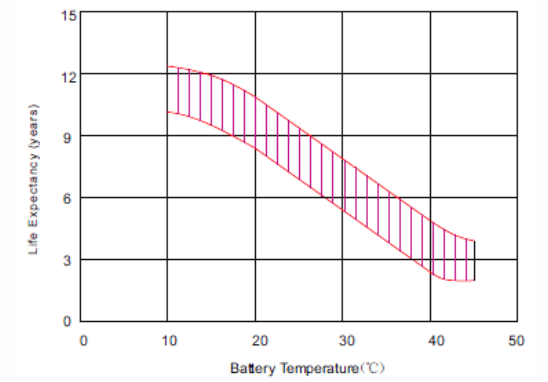
Outer Dimensions:

Unit: mm Dimension: 520(L) ×268(W) ×220 (H)

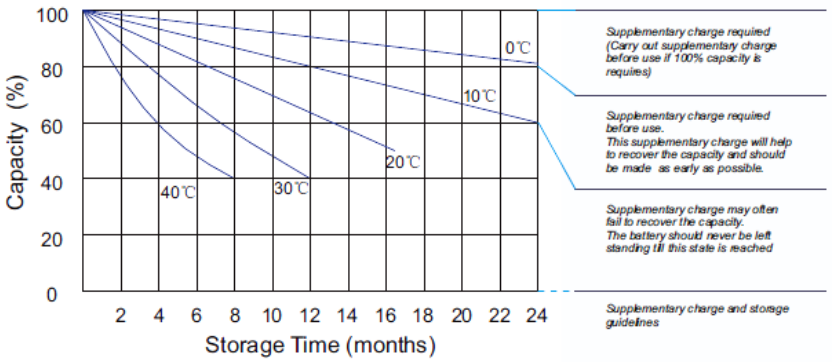
Terminal F14



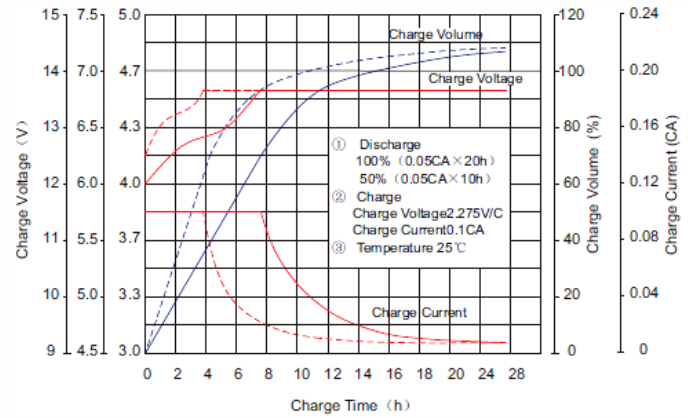
Effect of temperatura on long term float life



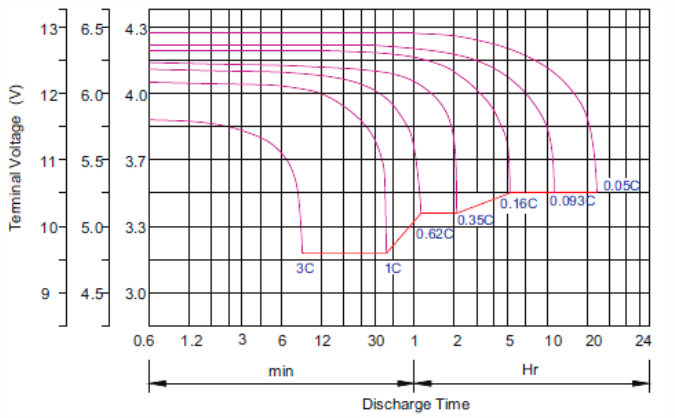
Storage characteristic



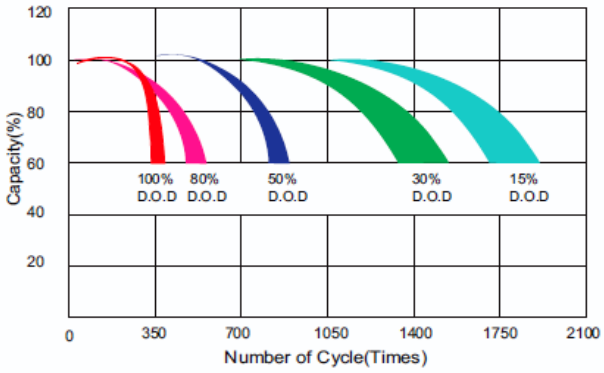
Charge characteristic Curve for standby use



Discharge characteristic Curve



Life characteristics of cyclic use



Cycle service

※ Avoid battery over discharge, especially battery sereis connection use.
※ Charged with recommend voltage, ensure battery can be full recharged.
In general, recharge capacity should be 1.1-1.15 times discharge capacity.
※ Effect of temperature on cycle charge voltage: -4mV/℃/Cell.
※ There are a number of factors that will affect the length of cyclic service.
The most significant are depth of discharge, ambient temperature,
discharge rate, and the manner in which the battery is recharged.
Generally specking, the most important factors is depth of discharge.

Constant Current Discharge (CC, Unit: A) at 25°C (77°F)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	710.9	532.5	430.2	256.0	159.0	100.2	68.09	54.90	45.58	30.02	27.06	14.32
10.0V	690.4	506.7	421.3	252.7	156.9	98.18	66.83	54.12	45.17	29.90	26.79	14.06
10.2V	669.9	488.8	414.7	248.9	155.4	97.14	66.24	53.58	44.87	29.63	26.53	13.79
10.5V	601.5	451.1	394.9	242.0	153.5	95.87	65.65	52.79	44.50	29.37	26.26	13.52
10.8V	543.0	411.3	364.0	234.0	151.4	95.08	64.88	50.98	44.28	29.25	26.02	13.38
11.1V	463.6	367.6	326.5	225.1	147.8	91.25	63.61	50.25	43.96	29.01	25.72	12.84

Constant Power Discharge (CP, Unit: W) at 25°C (77°F)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	7353	5671	4732	2930	1843	1174	802	657.2	546.0	359.5	324.4	172.5
10.0V	7208	5498	4656	2900	1826	1160	790	647.9	541.1	358.1	321.9	169.5
10.2V	7126	5353	4603	2875	1815	1152	786	641.9	537.8	355.4	319.0	166.4
10.5V	6487	4984	4391	2816	1804	1137	780	633.2	533.5	352.4	315.9	163.3
10.8V	5909	4594	4058	2750	1781	1129	771	611.8	531.1	350.9	312.8	161.7
11.1V	5190	4154	3653	2674	1754	1086	758	603.1	529.1	348.4	309.4	155.9

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