LivΣN	12V 100Ah
BATTERY	
Constant Voltage Standby Use: Cycle Use: Max Charge C	
Max Charge C	GEL Battery LVG100-12 12V 100.0Ah

#### **LIVEN LVG Series**

LVG Pure Gel series are manufacturing with high porosity PE separator and patented Gel electrolyte. The LVG series Valve Regulated Lead Acid (VRLA) is Pure Gel with 15 years floating design life. This battery its ideal for standby or frequent cyclic discharge applications under extreme environment. Suitable for Solar and Wind system, Marine, Telecom, UPS.

Deep discharge cycles 1: 450 cycles at 100% DOD. Deep discharge cycles 2: 1300 cycles at 50% DOD.

#### **Applications:**

- Telecommunications
- UPS
- Medical equipments
- Solar System

- **Dimensions:**

Length	328±1.5mm (12.9in)
Width	172±1.5mm (6.77in)
Height	215±1.5mm (8.46in)
Total Height	220±1.5mm (8.66in)

Wind Power System

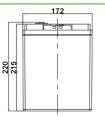
Auto Control System

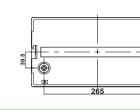
• CATV

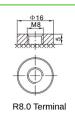
Marine

### **Technical Drawings:**









Constant Cu	Constant Current Discharge (CC, Unit: A) at 25ºC (77ºF)										
F.V. / Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	163.7	132.8	87.1	54.3	33.2	24.9	19.8	16.7	11.3	9.28	5.20
1.65V	154.7	126.9	83.6	52.4	32.1	24.1	19.3	16.2	11.1	9.17	5.12
1.70V	142.4	118.9	79.9	50.7	31.1	23.5	18.8	15.8	11.0	9.03	5.06
1.75V	130.4	110.6	76.4	48.9	30.0	22.8	18.3	15.4	10.8	8.91	5.00
1.80V	118.0	102.2	73.0	47.0	28.9	22.0	17.8	15.0	10.6	8.80	4.95
1.85V	96.4	84.8	62.9	42.2	26.5	20.4	16.5	14.0	10.0	8.28	4.70
											-

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

F.V. / Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	1897.2	1582.8	1078.8	696.0	429.0	324.0	259.8	219.0	150.0	124.2	69.6
1.65V	1805.4	1521.0	1044.6	676.8	417.0	316.2	253.8	214.2	148.2	123.0	69.0
1.70V	1713.6	1459.8	1010.4	657.6	405.6	307.8	247.8	209.4	146.4	121.2	68.4
1.75V	1596.6	1378.2	975.6	637.8	393.0	300.0	242.4	204.6	144.6	120.0	67.2
1.80V	1470.6	1290.6	942.0	616.8	381.0	292.2	236.4	199.8	142.8	118.8	66.6
1.85V	1223.4	1086.0	819.6	556.8	351.0	271.2	220.2	187.2	134.4	111.6	63.6

# LVG100-12

## **GEL Battery**

Voltage Per Unit	12V
Nominal Capacity	100.0Ah @20hour-rate to 1.75V per cell @25°C
Weight	Approx. 29.0Kg ±2% (63.93lbs)
Internal Resistance	Approx. 7.5mΩ
Terminal	R8.0
Max. Discharge Current	1000A (5sec)
Design Life	15 years floating Eurobat (20°C): >12 years Very Long Life
Recommended Maximum Charging Current	20.0A
Standby Use Voltage	13.6V~13.8V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	14.2V~14.4V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -40°C~60°C Charge: -20°C~50°C Storage: -40°C~60°C
Normal Operating Temperature Range	25°C±5°C
Self Discharge	LIVEN Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 25°C.Please charge batteries before using.
Container Material	A B S 111 94-HB 111 94-V0 Ontional

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**Container Material** 

**Specifications:** 

**Cells Per Unit** 

A.B.S. UL94-HB, UL94-V0 Optional.

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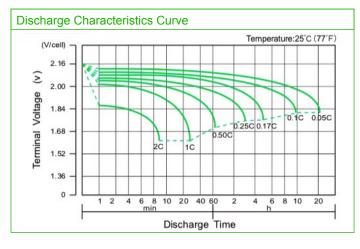
www.liven-battery.com

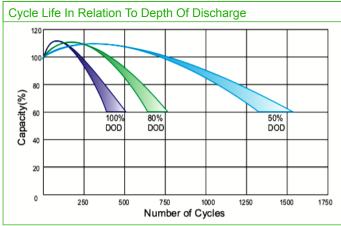


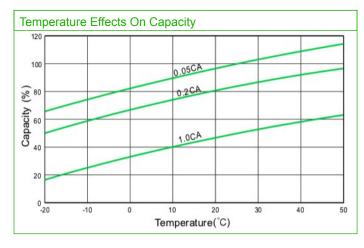


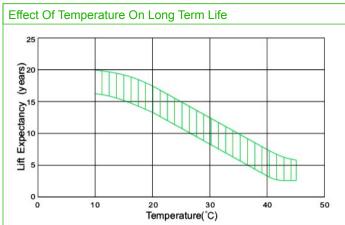


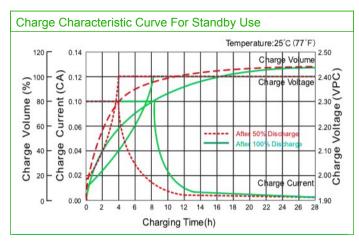
**GEL VRLA battery** 

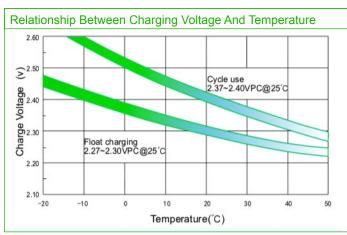


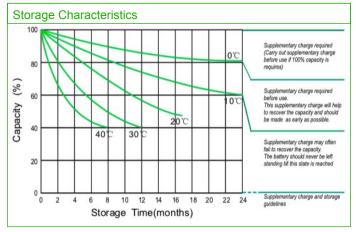




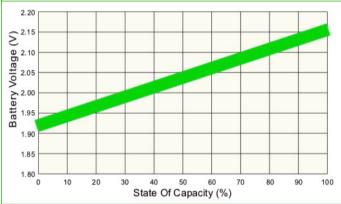












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