## LVH series VRLA battery



### **LIVEN LVH Series**

AGM (Absorbent Glass Material) technology with gas recombination. The LVH series Valve Regulated Lead Acid (VRLA) battery is designed for heavy load discharge applications with 8 years design life in float service. By using strong grids and specially designed active material is with lower I.R, lower self discharge rate, high power, and longer service life performance. Generally the LVH series offers 30% more power output than the standard range.

#### **Application:**

- High Power
- Uninterrupted Power Supplies
- Datacenters
- · Emergency backup power supply
- · Alarm and security system
- · Communication power supply
- DC power supply
- Electric Tools

Dim	ens	ions	

Length	151±1.5mm (5.94 inches)
Width	50±1.5mm (1.97 inches)
Height	95±1.5mm (3.74 inches)
Total Height	101±1.5mm (3.98 inches)

Specification:	
Cells Per Unit	6
Voltage Per Unit	12
Nominal Capacity	21W@15min-rate to 1.67V per cell @25°C
Weight	Approx. 1.85 Kg ±2%
Internal Resistance	Approx. 25 mΩ
Terminal	F1/F2
Max. Discharge Current	50A (5 sec)
Design Life	8 years floating Eurobat (20°C): 6-9 years General Purpose
Recommended Maximum Charging Current	1.5 A
Reference Capacity	C20 6.0AH
Standby Use Voltage	13.7 V~13.9 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	14.6 V~14.8 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -15°C~50°C Charge: -10°C~45°C Storage: -15°C~50°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 a 25°C and then recharging is recommended Monthly Self-discharge ratio is less than 3° at 25°C.Please charge batteries before using









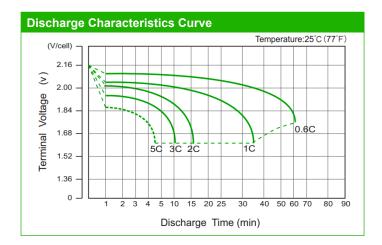
A.B.S. UL94-HB, UL94-V0 Optional.

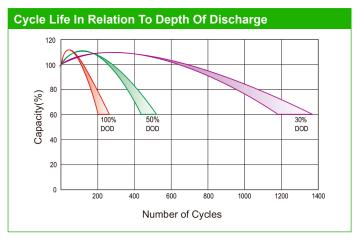
# **Drawing:** 151 101 95 F2 Terminal

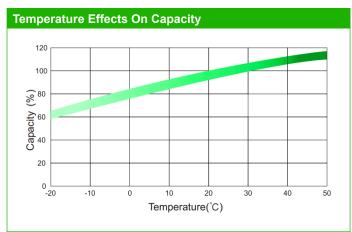
**Container Material** 

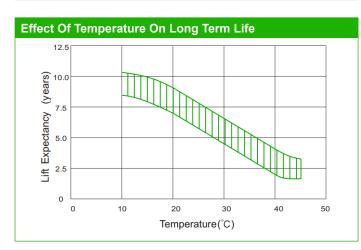
Constant Cur	rent Disch	arge (CC,	Unit: A) at 2	5°C (77°F)					
F.V/Time	3MIN	5MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN
1.60V	24.13	20.98	17.45	15.39	11.90	9.631	7.051	4.112	2.997
1.67V	22.33	19.42	16.37	14.44	11.28	8.984	6.722	3.919	2.853
1.70V	21.40	18.61	15.79	13.92	10.93	8.641	6.532	3.806	2.767
1.75V	20.21	17.58	15.00	13.07	10.42	8.405	6.348	3.743	2.705
1.80V	19.01	16.53	14.21	12.22	9.897	8.156	6.153	3.669	2.640
1.85V	17.74	15.43	13.36	11.33	9.334	7.871	5.926	3.582	2.561

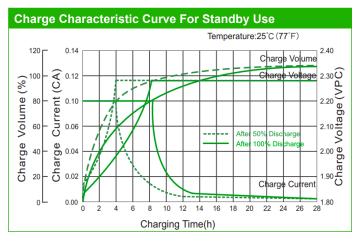
F.V/Time	3MIN	5MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN
1.60V	262.2	228.0	192.6	171.0	132.6	106.2	78.0	45.6	33.4
1.67V	244.8	213.0	182.4	162.0	127.2	100.2	75.0	43.9	32.1
1.70V	237.6	206.4	177.6	157.8	124.8	97.2	73.8	43.1	31.5
1.75V	227.4	197.4	171.0	150.0	120.0	96.0	72.6	43.0	31.2
1.80V	216.6	188.4	164.4	142.2	115.8	94.2	71.4	42.7	30.8
1.85V	206.4	179.4	157.8	134.4	111.6	93.0	70.2	42.5	30.5

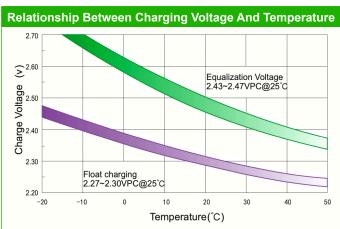


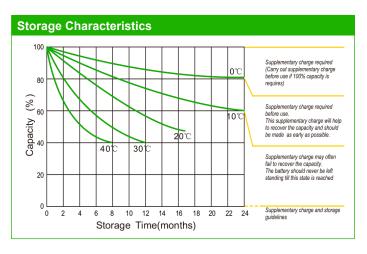


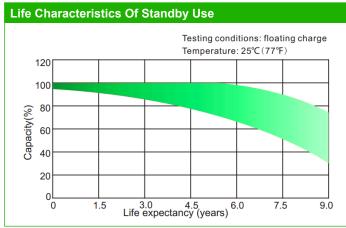












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