

25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 25°C.Please charge batteries before using.

## **AGM High Rate 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.

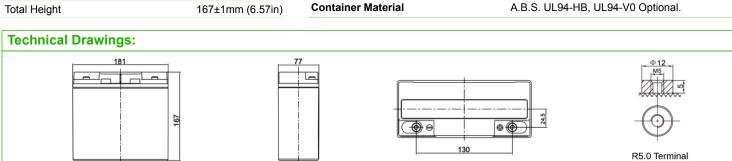
## **Applications:**

- · High Power
- UPS
- Datacenters
- Emergency backup PW
- · Communication power supply
  - DC power supply
  - Electric Tools

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•	Security	system

Dimensions:	
Length	181±1mm (7.13in)
Width	77±1mm (3.03in)
Height	167±1mm (6.57in)
Total Height	167±1mm (6.57in)

Specifications:	
Cells Per Unit	6
Voltage Per Unit	12V
Nominal Capacity	70W @15min-rate to 1.67V per cell @25°C
Weight	Approx. 5.60Kg ±2% (12.35lbs)
Internal Resistance	Approx. 12mΩ
Terminal	R5.0
Max. Discharge Current	180A (5sec)
Design Life	8 years floating Eurobat (20°C): 6-9 years General Purpose
Recommended Maximum Charging Current	5.4A
Reference Capacity	C20 18Ah
Standby Use Voltage	13.7V~13.9V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	14.6V~14.8V @ 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
	LIVEN Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at



**Self Discharge** 

F.V./ Time	3min	5min	8min	10min	15min	20min	30min	60min	90min
1.60V	84.89	74.62	60.90	53.86	40.54	31.87	22.70	12.73	9.026
1.67V	77.03	67.71	55.69	49.64	37.92	30.08	21.51	12.14	8.639
1.70V	73.71	64.79	53.48	47.84	36.75	29.27	20.98	11.87	8.478
1.75V	68.27	60.01	49.82	44.83	34.71	27.82	20.10	11.47	8.220
1.80V	62.53	54.97	46.05	41.82	32.96	26.50	19.23	11.04	7.930
1.85V	53.47	47.00	39.24	35.50	28.26	23.02	17.00	9.981	7.253

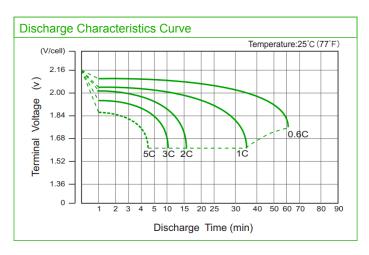
F.V./ Time	3min	5min	8min	10min	15min	20min	30min	60min	90min
1.60V	915.6	804.6	658.8	584.9	444.5	352.0	251.8	143.2	102.5
1.67V	841.2	739.2	610.8	547.0	420.0	335.9	242.4	137.9	99.1
1.70V	811.8	714.0	591.2	530.8	411.2	328.8	236.8	135.7	97.5
1.75V	759.6	667.8	556.9	503.6	392.0	316.3	229.3	131.9	95.0
1.80V	705.0	619.8	521.0	474.8	374.5	303.8	221.7	128.1	92.5
1.85V	612.6	538.5	450.2	408.0	325.5	266.2	197.3	116.6	84.9

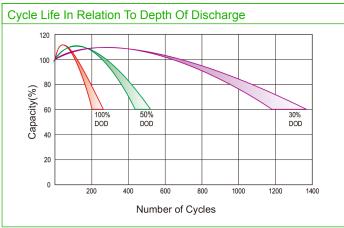


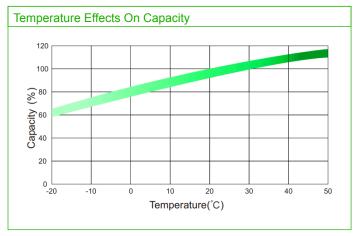


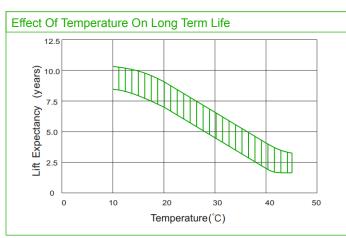


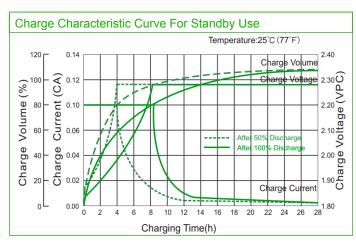


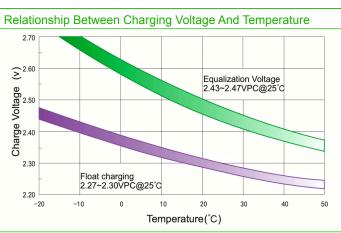


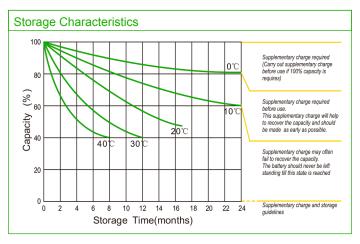


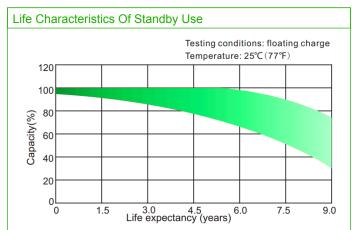












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