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 15 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.

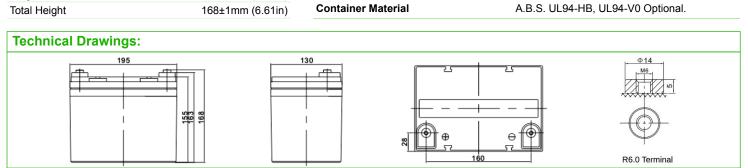
## **Applications:**

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

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Length	195±1mm (7.68in)
Width	130±1mm (5.12in)
Height	155±1mm (6.10in)
Total Height	168±1mm (6.61in)

Specifications:	
Cells Per Unit	6
Voltage Per Unit	12V
Nominal Capacity	125W @15min-rate to 1.67V per cell @25°C
Weight	Approx. 10.20Kg ±2% (22.49lbs)
Internal Resistance	Approx. 9.0mΩ
Terminal	R6.0
Max. Discharge Current	330A (5sec)
Design Life	15 years floating Eurobat (20°C): >12 years Very Long Life
Recommended Maximum Charging Current	10.0A
Reference Capacity	C20 33Ah
Standby Use Voltage	13.6V~13.8V @ 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
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.



F.V./ Time	5min	8min	10min	15min	20min	30min	60min	90min
1.60V	124.9	103.4	90.6	69.1	56.3	41.5	24.0	17.2
1.67V	113.3	94.8	83.7	64.5	52.9	39.3	22.9	16.5
1.70V	108.5	91.1	80.7	62.5	51.4	38.3	22.4	16.2
1.75V	100.2	84.9	75.7	59.1	48.9	36.7	21.7	15.7
1.80V	91.8	78.6	70.6	55.9	46.6	35.1	20.9	15.2
1.85V	78.8	67.0	59.8	48.1	40.4	31.1	18.9	13.8

stant Power Discharge (CP, Unit: W/Battery) at 25°C (77°F)								
F.V./ Time	5min	8min	10min	15min	20min	30min	60min	90min
1.60V	1377.0	1155.6	1022.4	790.8	649.2	483.6	270.6	195.6
1.67V	1281.6	1084.2	964.8	750.0	619.2	463.8	260.4	189.0
1.70V	1239.6	1051.2	937.8	732.6	606.0	454.2	256.2	186.6
1.75V	1163.4	993.6	891.0	700.8	582.0	439.2	249.0	181.2
1.80V	1082.4	932.4	841.2	669.6	559.8	424.2	241.8	176.4
1.85V	943.2	805.8	722.4	582.0	490.8	378.0	219.6	162.6







