## LVH12-570W

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.

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

**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.

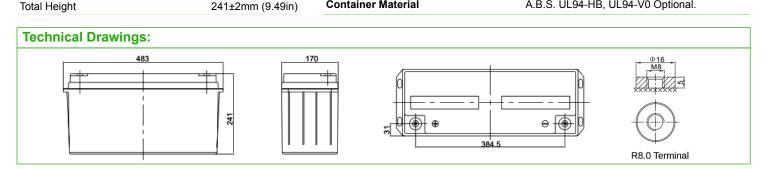
Generally the LVH series offers 30% more power output than the standard range.

## **Applications:**

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

| Dimensions: |                  |
|-------------|------------------|
| Length      | 483±2mm (19.0in) |
| Width       | 170±2mm (6.69in) |
| Height      | 241±2mm (9.49in) |

| Specifications:                      |  |
|--------------------------------------|--|
| Cells Per Unit                       | 6  |
| Voltage Per Unit                     | 12V  |
| Nominal Capacity                     | 570W @15min-rate to 1.67V per cell @25°C                           |
| Weight                               | Approx. 46.0Kg ±2% (101.41lbs)                                     |
| Internal Resistance                  | Approx. 3.8mΩ  |
| Terminal                             | R8.0   |
| Max. Discharge Current               | 1500A (5sec)   |
| Design Life                          | 15 years floating<br>Eurobat (20°C): >12 years Very Long Life      |
| Recommended Maximum Charging Current | 45.0A  |
| Reference Capacity                   | C20 150Ah  |
| Standby Use Voltage                  | 13.6V~13.8V @ 25°C Temperature Compensation: -3mV/°C/Cell          |
| Cycle Use Voltage                    | 14.6V~14.8V @ 25°C<br>Temperature Compensation: -4mV/°C/Cell       |
| Operating Temperature Range          | Discharge: -15°C~50°C<br>Charge: -10°C~45°C<br>Storage: -15°C~50°C |
| Normal Operating Temperature Range   | 25°C±5°C   |
|                                      |  |



**Self Discharge** 

**Container Material** 

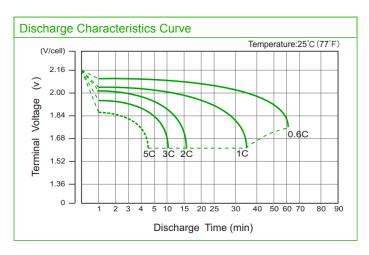
| F.V./ Time | 5min  | 8min  | 10min | 15min | 20min | 30min | 60min | 90min |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.60V      | 467.1 | 414.9 | 384.2 | 315.2 | 256.7 | 189.2 | 109.5 | 78.6  |
| 1.67V      | 423.8 | 380.5 | 355.1 | 293.9 | 241.3 | 179.0 | 104.4 | 75.4  |
| 1.70V      | 405.8 | 365.7 | 342.3 | 285.0 | 234.5 | 174.7 | 102.4 | 73.9  |
| 1.75V      | 374.7 | 340.7 | 320.9 | 269.6 | 222.8 | 167.3 | 98.8  | 71.6  |
| 1.80V      | 343.3 | 315.5 | 299.5 | 255.1 | 212.3 | 160.2 | 95.2  | 69.3  |
| 1.85V      | 294.6 | 268.8 | 253.8 | 219.4 | 184.3 | 141.7 | 86.0  | 63.1  |

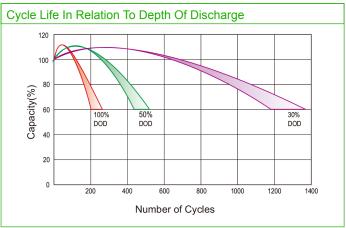
| nstant Power Discharge (CP, Unit: W/Battery) at 25°C (77°F) |        |        |        |        |        |        |        |       |
|---|--------|--------|--------|--------|--------|--------|--------|-------|
| F.V./ Time  | 5min   | 8min   | 10min  | 15min  | 20min  | 30min  | 60min  | 90min |
| 1.60V   | 5149.2 | 4636.2 | 4336.2 | 3604.8 | 2959.8 | 2205.6 | 1233.6 | 892.2 |
| 1.67V   | 4792.8 | 4349.4 | 4092.0 | 3420.0 | 2824.8 | 2115.0 | 1187.4 | 862.8 |
| 1.70V   | 4635.0 | 4219.2 | 3978.0 | 3340.8 | 2763.6 | 2072.4 | 1167.6 | 850.2 |
| 1.75V   | 4349.4 | 3987.0 | 3778.2 | 3196.2 | 2652.6 | 2004.0 | 1135.8 | 827.4 |
| 1.80V   | 4048.2 | 3742.8 | 3567.6 | 3054.0 | 2553.0 | 1933.8 | 1102.2 | 804.6 |
| 1.85V   | 3526.2 | 3232.8 | 3063.0 | 2655.0 | 2236.8 | 1725.0 | 1002.0 | 740.4 |

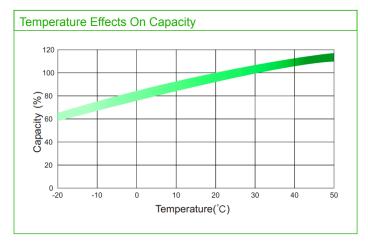


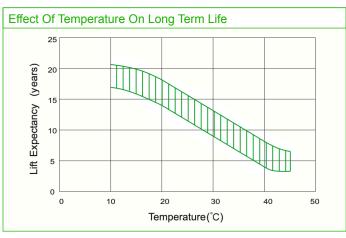


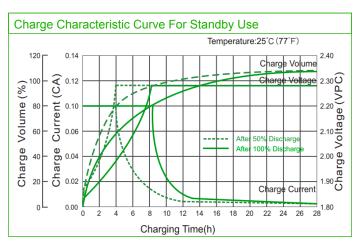


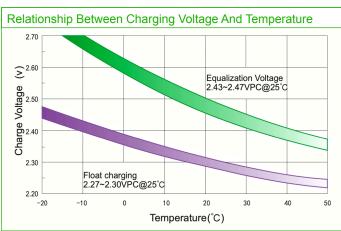


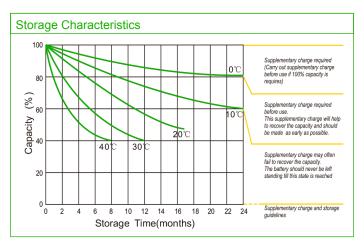


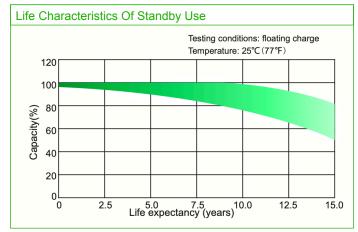












V04 22/03

