



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.

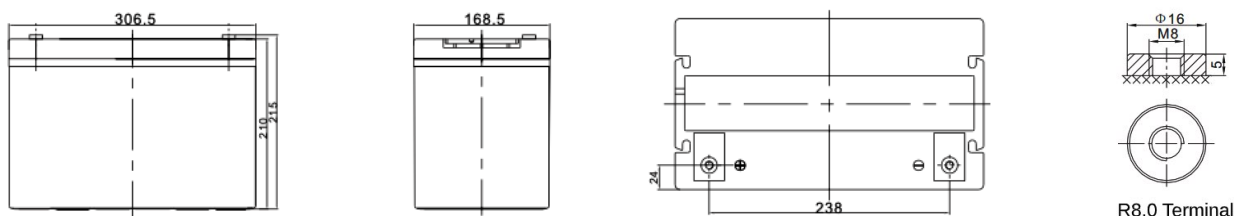
Applications:

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

Dimensions:

Length	306.5±1mm (12.1in)
Width	168.5±1mm (6.63in)
Height	210±1mm (8.27in)
Total Height	215±1mm (8.46in)

Technical Drawings:



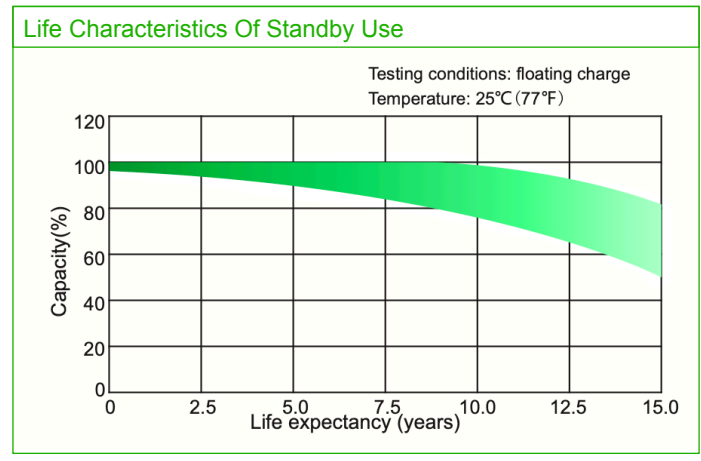
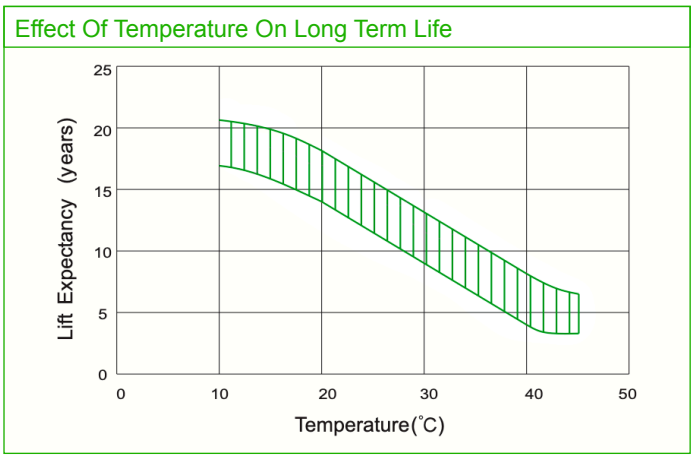
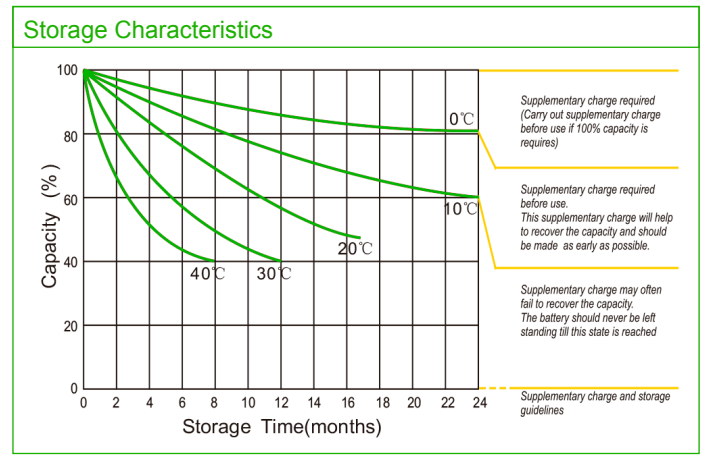
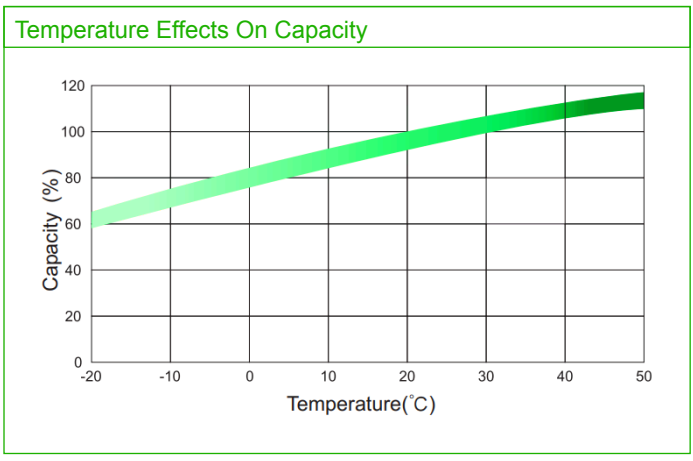
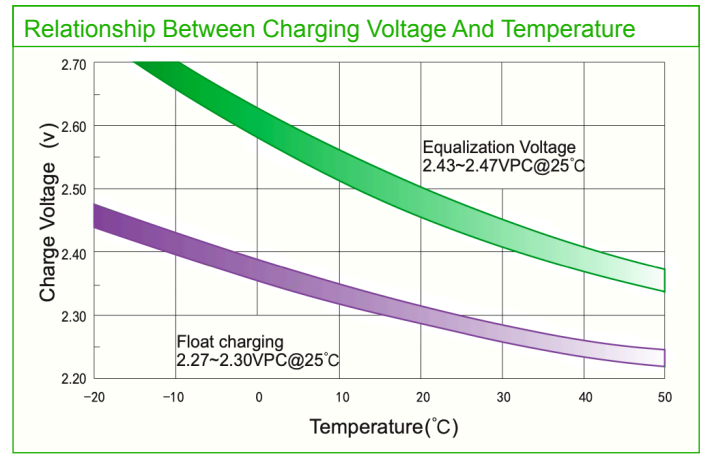
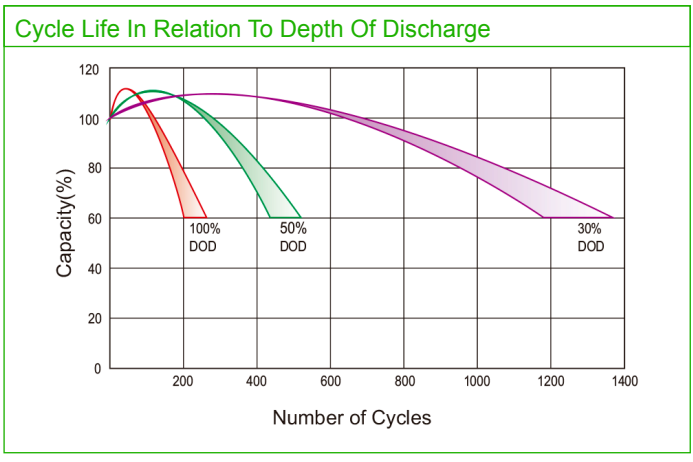
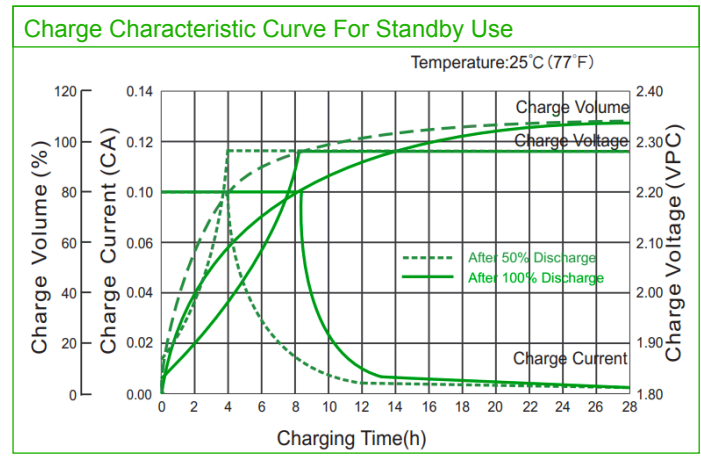
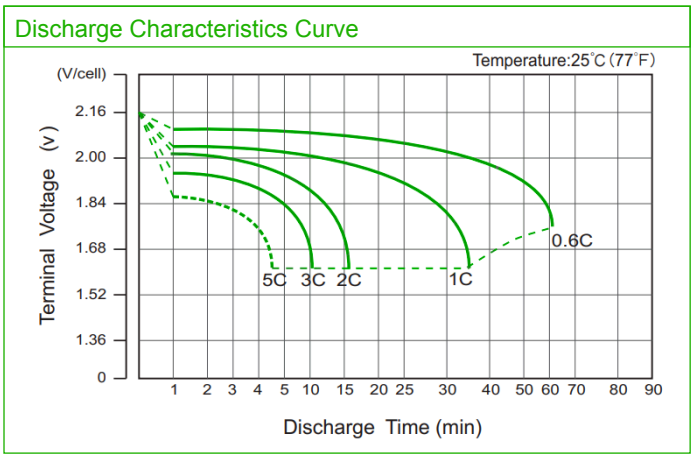
Specifications:	
Cells Per Unit	6
Voltage Per Unit	12V
Nominal Capacity	380W @15min-rate to 1.67V per cell @25°C
Weight	Approx. 30.0Kg ±2% (66.14lbs)
Internal Resistance	Approx. 5.0mΩ
Terminal	R8.0
Max. Discharge Current	1000A (5sec)
Design Life	15 years floating Eurobat (20°C): >12 years Very Long Life
Recommended Maximum Charging Current	30.0A
Reference Capacity	C20 100Ah
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. Monthly Self-discharge ratio is less than 3% at 25°C. Please charge batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.

Constant Current Discharge (CC, Unit: A) at 25°C (77°F)

F.V./ Time	5min	8min	10min	15min	20min	30min	60min	90min
1.60V	324.6	289.6	267.2	210.1	171.1	126.1	73.0	52.4
1.67V	294.6	265.6	246.9	195.9	160.8	119.3	69.6	50.2
1.70V	282.1	255.3	238.1	190.0	156.3	116.5	68.2	49.3
1.75V	260.4	237.8	223.2	179.7	148.5	111.5	65.9	47.7
1.80V	238.6	220.2	208.3	170.1	141.5	106.8	63.5	46.2
1.85V	204.8	187.6	176.5	146.2	122.8	94.5	57.4	42.1

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

F.V./ Time	5min	8min	10min	15min	20min	30min	60min	90min
1.60V	3579.0	3236.4	3015.6	2403.0	1972.8	1470.0	822.6	594.6
1.67V	3331.2	3036.0	2845.8	2280.0	1882.8	1410.0	791.4	574.8
1.70V	3221.4	2945.4	2766.0	2226.6	1842.6	1381.2	778.2	567.0
1.75V	3023.4	2783.4	2627.4	2130.6	1768.2	1335.6	757.2	551.4
1.80V	2814.0	2612.4	2481.0	2035.8	1701.6	1288.8	734.4	536.4
1.85V	2451.0	2256.6	2130.0	1769.4	1491.0	1149.6	668.4	493.2



(Note) All above information shall be changed without prior notice. LIVEN Battery reserves the right to explain and update the latest information.