

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.

Application:

• High Power

Datacenters

supply

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

Dimensions:

Length	328±1mm (12.9 inches)
Width	172±1mm (6.77 inches)
Height	215±1mm (8.46 inches)
Total Height	220±1mm (8.66 inches)

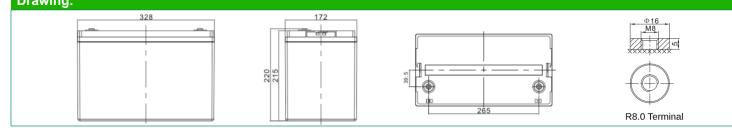
	LVH series VRLA battery
Specification:	
Cells Per Unit	6
Voltage Per Unit	12
Nominal Capacity	380W@15min-rate to 1.67V per cell @25°C
Weight	Approx. 30.5 Kg ±2%
Internal Resistance	Approx. 5.0 mΩ
Terminal	R8.0
Max. Discharge Current	1000A (5 sec)
Design Life	15 years floating Eurobat (20°C): >12 years Very Long Life
Recommended Maximum Charging Current	30.0 A
Reference Capacity	C20 100.0AH
Standby Use Voltage	13.6 V~13.8 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 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.



Drawing:



Constant Cu	Constant Current Discharge (CC, Unit: A) at 25°C (77°F)								
F.V/Time	5MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN	
1.60V	341.7	298.6	269.9	210.1	171.1	126.1	73.0	52.4	
1.67V	310.1	273.8	249.4	195.9	160.8	119.3	69.6	50.2	
1.70V	296.9	263.2	240.5	190.0	156.3	116.5	68.2	49.3	
1.75V	274.1	245.2	225.4	179.7	148.5	111.5	65.9	47.7	
1.80V	251.2	227.1	210.4	170.1	141.5	106.8	63.5	46.2	
1.85V	215.6	193.4	178.3	146.2	122.8	94.5	57.4	42.1	

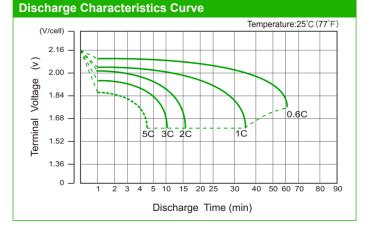
Constant Power Discharge (CP, Unit: W/Battery) at 25ºC (77ºF)								
F.V/Time	5MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN
1.60V	3767.4	3336.6	3045.6	2403.0	1972.8	1470.0	822.6	594.6
1.67V	3506.4	3130.2	2874.6	2280.0	1882.8	1410.0	791.4	574.8
1.70V	3391.2	3036.0	2794.2	2226.6	1842.6	1381.2	778.2	567.0
1.75V	3182.4	2869.2	2653.8	2130.6	1768.2	1335.6	757.2	551.4
1.80V	2962.2	2693.4	2506.2	2035.8	1701.6	1288.8	734.4	536.4
1.85V	2580.0	2326.2	2151.6	1769.4	1491.0	1149.6	668.4	493.2

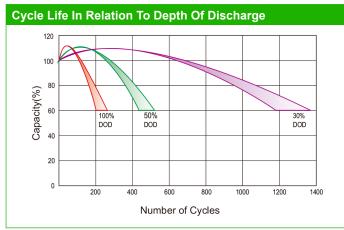


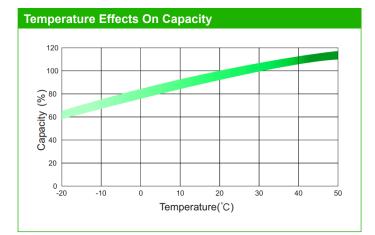
.VH12-3

LVH12-380W

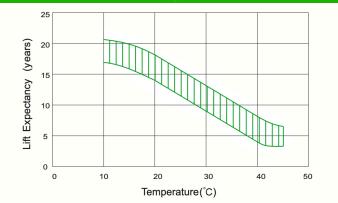


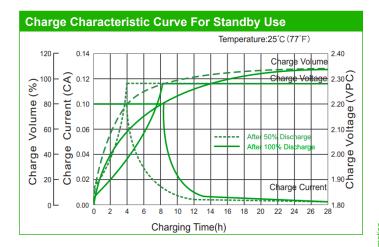




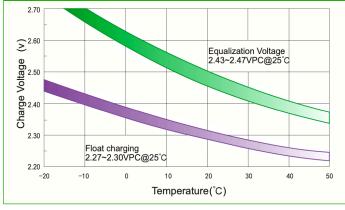


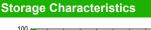


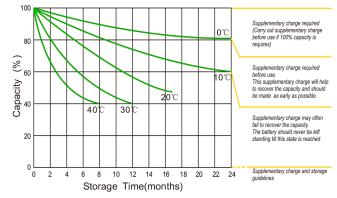




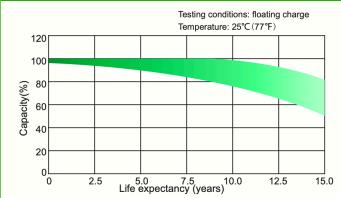








Life Characteristics Of Standby Use



V02 20/02

____Living Energy___