LVH series VRLA 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.

Application:

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

Dimensions:	

Length	151±1mm (5.94 inches)
Width	98±1mm (3.86 inches)
Height	95±1mm (3.74 inches)
Total Height	100±1mm (3.98 inches)

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Specification:	
Cells Per Unit	6
Voltage Per Unit	12
Nominal Capacity	48W@15min-rate to 1.67V per cell @25°C
Weight	Approx. 3.60 Kg ±2%
Internal Resistance	Approx. 14 mΩ
Terminal	F2
Max. Discharge Current	120A (5 sec)
Design Life	8 years floating Eurobat (20°C): 6-9 years General Purpose
Recommended Maximum Charging Current	3.6 A
Reference Capacity	C20 12.0AH
Standby Use Voltage	13.7 V~13.9 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.



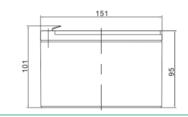


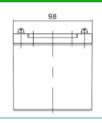


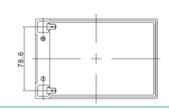


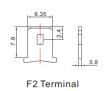
A.B.S. UL94-HB, UL94-V0 Optional.

Drawing:





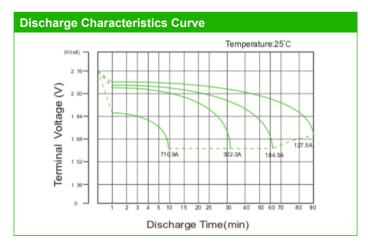


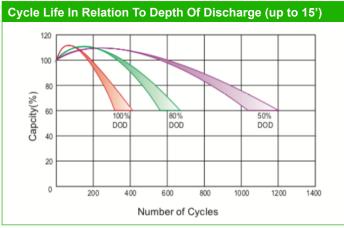


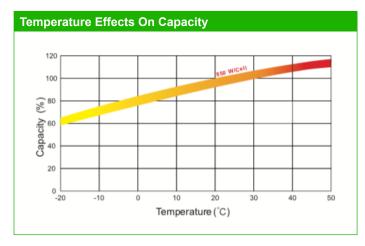
Constant Cur	rent Disch	arge (CC,	Unit: A) at 2	.5°C (77°F)					
F.V/Time	3MIN	5MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN
1.60V	52.40	46.04	38.68	34.48	26.98	21.84	15.99	9.323	6.795
1.67V	48.49	42.60	36.28	32.35	25.57	20.37	15.24	8.885	6.469
1.70V	46.47	40.83	35.01	31.18	24.79	19.59	14.81	8.630	6.274
1.75V	43.89	38.57	33.26	29.28	23.62	19.06	14.39	8.488	6.134
1.80V	41.28	36.27	31.51	27.36	22.44	18.49	13.95	8.320	5.986
1.85V	38.52	33.85	29.62	25.37	21.16	17.85	13.44	8.121	5.806

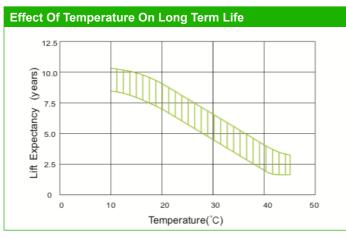
Container Material

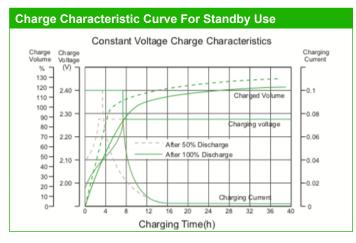
Constant Pov	onstant Power Discharge (CP, Unit: W/Battery) at 25°C (77°F)									
F.V/Time	3MIN	5MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN	
1.60V	569.4	500.4	426.6	382.2	301.2	240.6	177.0	103.2	75.6	
1.67V	532.2	467.4	403.8	362.4	288.0	226.8	170.4	99.6	72.6	
1.70V	516.0	453.6	394.2	353.4	282.6	220.8	167.4	97.8	71.4	
1.75V	493.2	433.8	379.2	336.0	273.0	217.2	164.4	97.2	70.8	
1.80V	471.0	413.4	364.8	318.6	262.8	214.2	162.0	97.2	70.2	
1.85V	448.2	394.2	349.8	301.2	253.2	210.6	159.0	96.6	69.0	

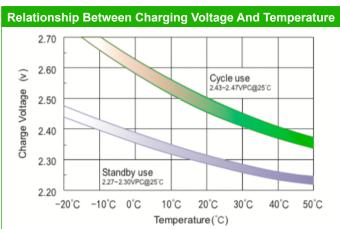


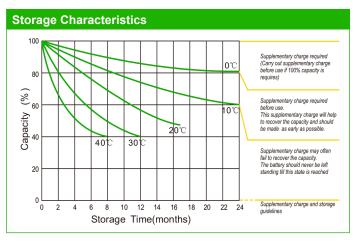


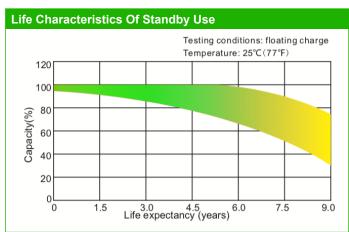












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