LVH12-520\

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.

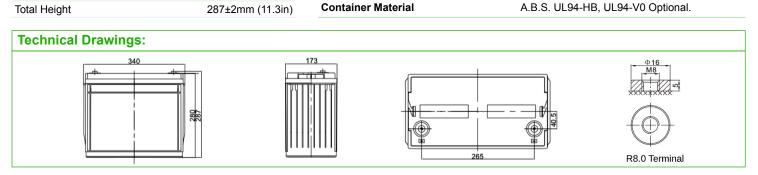
Generally the LVH series offers 30% more power output than the standard range.

Applications:

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

Dimensions:	
Length	340±2mm (13.4in)
Width	173±2mm (6.81in)
Height	280±2mm (11.0in)
Total Height	287±2mm (11.3in)

Specifications:					
Cells Per Unit	6				
Voltage Per Unit	12V				
Nominal Capacity	520W @15min-rate to 1.67V per cell @25°C				
Weight	Approx. 44.0Kg ±2% (97.0lbs)				
Internal Resistance	Approx. 4.5mΩ				
Terminal	R8.0				
Max. Discharge Current	1450A (5sec)				
Design Life	15 years floating Eurobat (20°C): >12 years Very Long Life				
Recommended Maximum Charging Current	43.5A				
Reference Capacity	C20 145Ah				
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 oberral batteries before using				



F.V./ Time	5min	8min	10min	15min	20min	30min	60min	90min
1.60V	426.1	378.6	350.5	287.6	234.2	172.6	99.9	71.7
1.67V	386.7	347.1	324.0	268.2	220.1	163.3	95.3	68.8
1.70V	370.2	333.7	312.3	260.0	213.9	159.4	93.4	67.4
1.75V	341.8	310.8	292.8	246.0	203.2	152.6	90.1	65.3
1.80V	313.2	287.9	273.3	232.8	193.7	146.2	86.9	63.2
1.85V	268.8	245.2	231.5	200.1	168.1	129.3	78.5	57.6

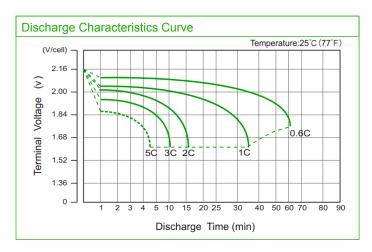
onstant Power	nstant Power Discharge (CP, Unit: W/Battery) at 25°C (77°F)								
F.V./ Time	5min	8min	10min	15min	20min	30min	60min	90min	
1.60V	4698.0	4230.0	3955.8	3289.2	2700.0	2012.4	1125.6	814.2	
1.67V	4372.2	3968.4	3733.2	3120.0	2577.0	1929.6	1083.6	787.2	
1.70V	4228.8	3849.6	3628.8	3048.0	2521.8	1890.6	1065.6	775.8	
1.75V	3968.4	3637.8	3447.0	2916.0	2420.4	1828.2	1036.2	754.8	
1.80V	3693.6	3414.6	3255.0	2786.4	2329.2	1764.0	1005.6	734.4	
1.85V	3217.2	2949.0	2794.8	2422.2	2040.6	1573.8	914.4	675.6	

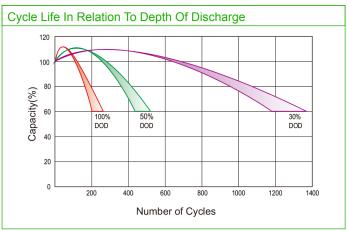


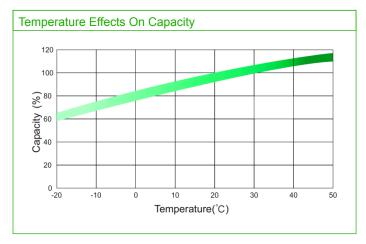


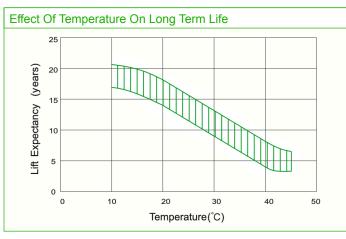


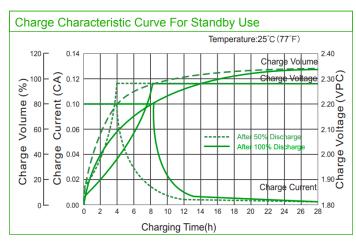


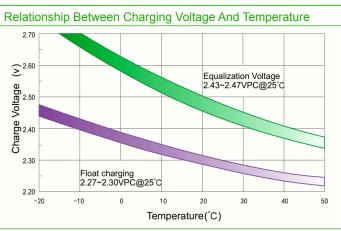


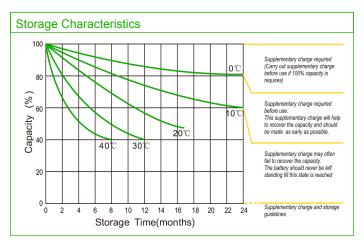


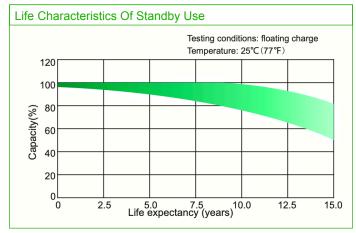












V04 22/03

