

Specification:

Cells Per Unit	3
Voltage Per Unit	6
Nominal Capacity	630W@15min-rate to 1.67V per cell @25°C
Weight	Approx. 26.0 Kg ±2%
Internal Resistance	Approx. 2.0 mΩ
Terminal	R8
Max. Discharge Current	1800A (5 sec)
Design Life	15 years floating Eurobat (20°C): >12 years Very Long Life
Recommended Maximum Charging Current	54.0 A
Reference Capacity	C20 180.0AH
Standby Use Voltage	6.80 V~6.90 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	7.30 V~7.40 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.

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.

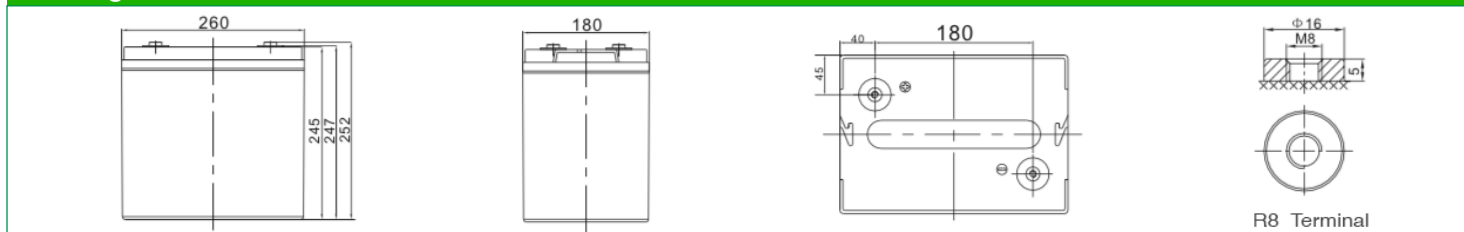
Application:

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

Dimensions:

Length	260±2mm (10.2 inches)
Width	180±2mm (7.09 inches)
Height	245±2mm (9.65 inches)
Total Height	252±2mm (9.92 inches)

Drawing:



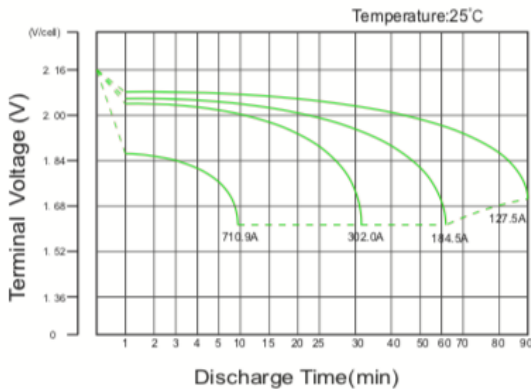
Constant Current Discharge (CC, Unit: A) at 25°C (77°F)

F.V/Time	5MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN
1.60V	636.3	529.0	466.7	360.8	295.0	224.7	137.3	102.7
1.67V	588.8	496.3	437.9	342.0	275.2	214.2	130.8	97.8
1.70V	564.3	478.8	422.1	331.5	264.7	208.2	127.1	94.9
1.75V	533.0	454.9	396.4	315.9	257.5	202.3	125.0	92.8
1.80V	501.3	430.9	370.4	300.1	249.8	196.1	122.5	90.5
1.85V	467.8	405.2	343.4	283.0	241.1	188.9	119.6	87.8

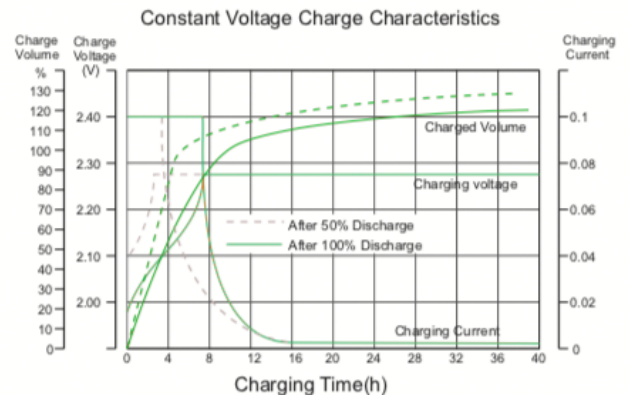
Constant Power Discharge (CP, Unit: W/Battery) at 25°C (77°F)

F.V/Time	5MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN
1.60V	3405	2871	2550	1983	1626	1242	762	573
1.67V	3180	2721	2415	1896	1533	1197	732	549
1.70V	3084	2655	2355	1860	1491	1176	720	540
1.75V	2949	2556	2238	1797	1470	1158	717	534
1.80V	2814	2457	2124	1731	1446	1137	714	528
1.85V	2679	2355	2010	1665	1425	1119	711	525

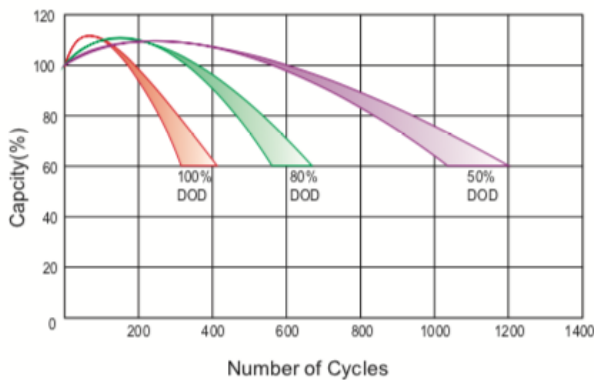
Discharge Characteristics Curve



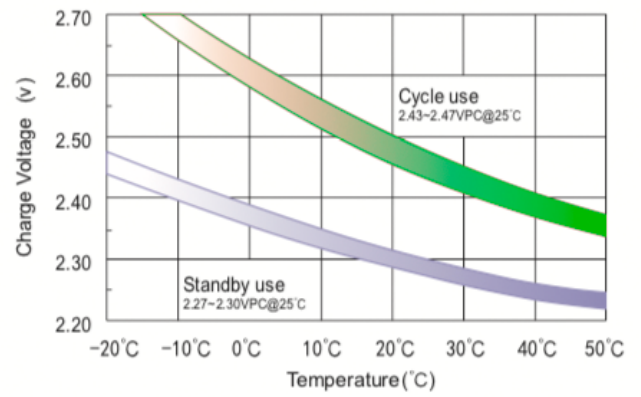
Charge Characteristic Curve For Standby Use



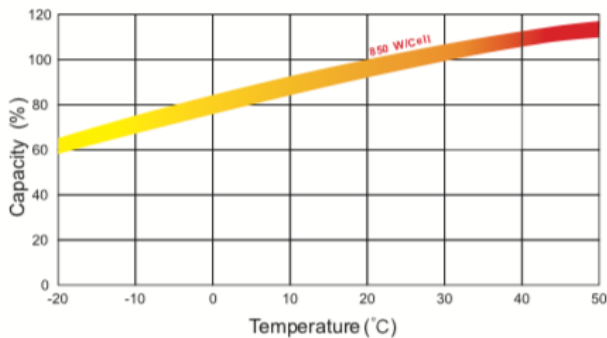
Cycle Life In Relation To Depth Of Discharge (up to 15')



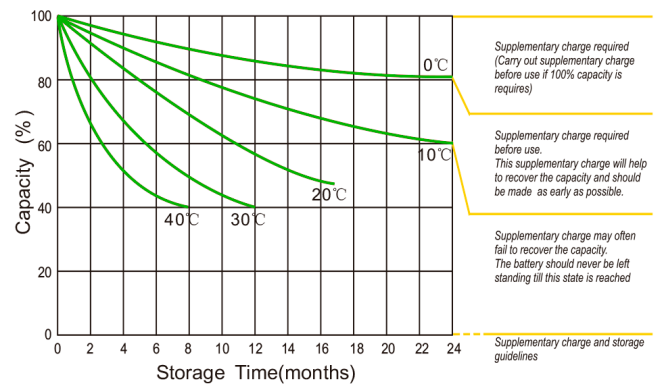
Relationship Between Charging Voltage And Temperature



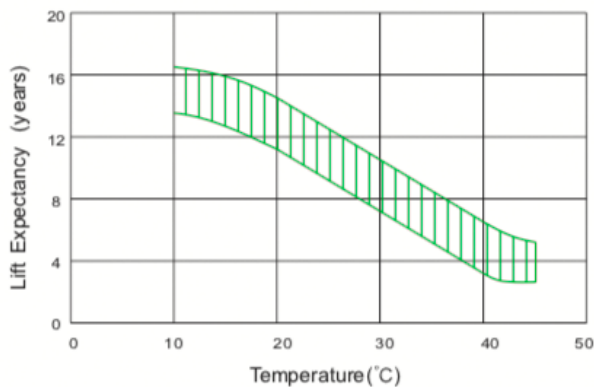
Temperature Effects On Capacity



Storage Characteristics



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use

