



**LIVEN LVDC Series**

LVDC series are manufacturing with Lead Carbon active material to perform in partial state of charge (PSoC) applications and double separator configuration. LVDC series are AGM-GEL technology Valve Regulated Lead Acid (VRLA) suitable for Deep Cycle applications. Electrolyte + GEL for longer cycle life. Maintenance-Free Sealed Lead Acid Battery.

**Applications:**

- Wheelchairs
- Golf trolleys
- Electric sweepers
- Floor machines
- Electric vehicles
- Lawn mowers
- Portable power
- Railway and Marine systems
- Medical equipments
- Renewable energies

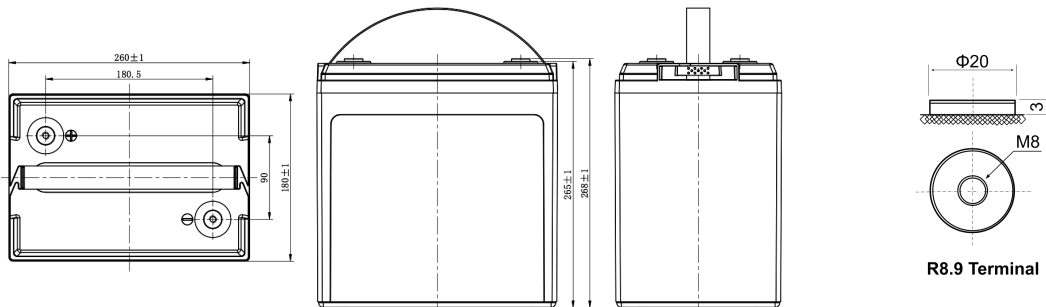
**Dimensions:**

Length	260±1.5mm (10.24in)
Width	180±1.5mm (7.09in)
Height	263±1.5mm (10.35in)
Total Height	268±1.5mm (10.55in)

**Specifications:**

Cells Per Unit	3
Voltage Per Unit	6V
Nominal Capacity	268.0Ah @20hour-rate to 1.75V per cell @25°C
Weight	Approx. 32.9Kg ±2% (72.5lbs)
Terminal	R8.9
Recommended Maximum Charging Current	53.6A
Cycle Use Voltage	7.35V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -20°C~55°C Charge: 0°C~40°C Storage: -15°C~40°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	ABS

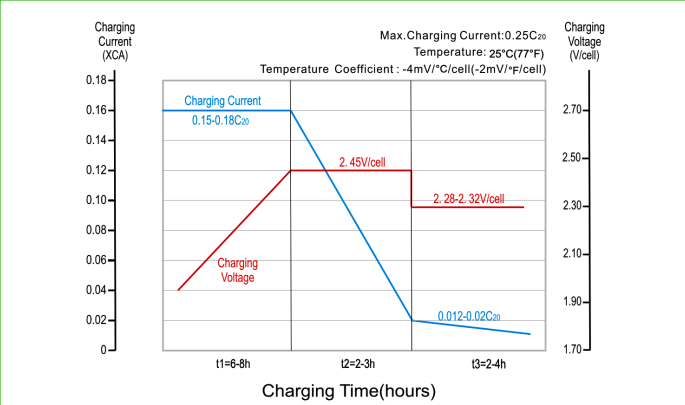
**Technical Drawings:**



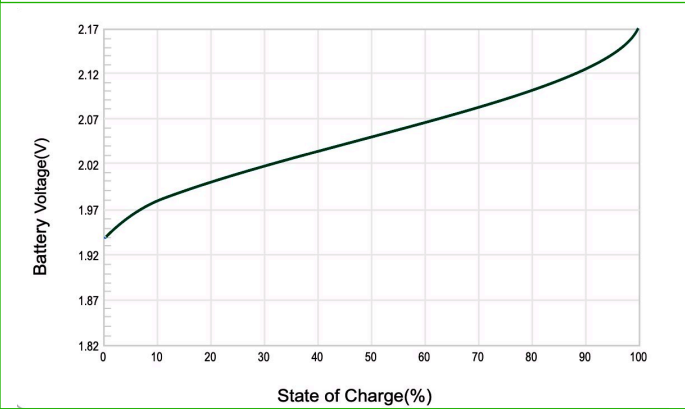
**Constant Current Discharge (CC, Unit: A) at 25°C (77°F)**

Voltage (V)	Capacity (Ah)		Reserve Capacity (Min)	
	20h	5h	25A	75A
6	268	220	550	165

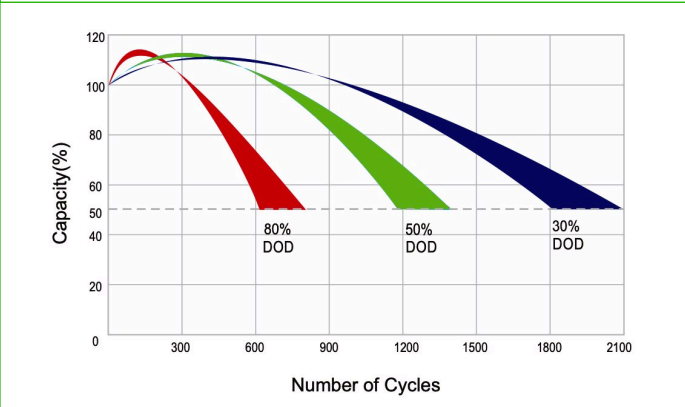
**Charging Profile**



**Relationship of OCV and State Of Charge(25°C,77°F)**



**Cycle Life in Relation to Depth Of Discharge**



**Self-discharge Characteristic**

