



### Specifications:

<b>Cells Per Unit</b>	6
<b>Voltage Per Unit</b>	12V
<b>Nominal Capacity</b>	100.0Ah @20hour-rate to 1.75V per cell @25°C 89.0Ah @5hour-rate to 1.75V per cell @25°C
<b>Weight</b>	Approx. 25.8Kg ±2% (56.9lbs)
<b>Terminal</b>	R6.4
<b>Recommended Maximum Charging Current</b>	20.0A
<b>Cycle Use Voltage</b>	14.70V@ 25°C Temperature Compensation: -4mV/°C/Cell

<b>Operating Temperature Range</b>	Discharge: -20°C~55°C Charge: 0°C~40°C Storage: -15°C~40°C
------------------------------------	--

<b>Normal Operating Temperature Range</b>	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.

<b>Container Material</b>	ABS
---------------------------	-----

### 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.

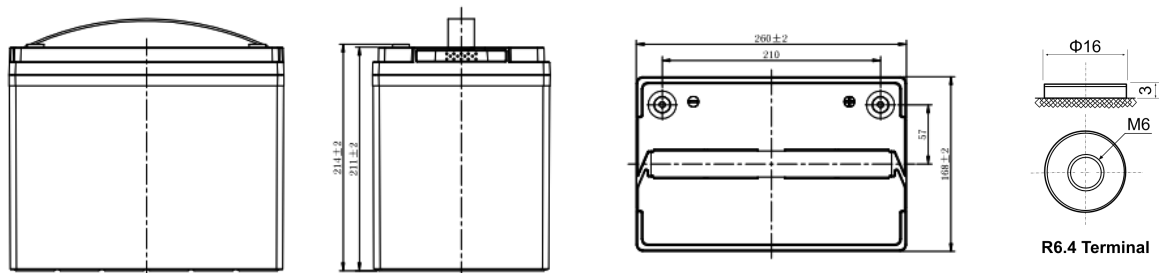
### Applications:

- 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 (10.2in)
Width	168±1.5mm (6.61in)
Height	211±1.5mm (8.31in)
Total Height	214±1.5mm (8.43in)

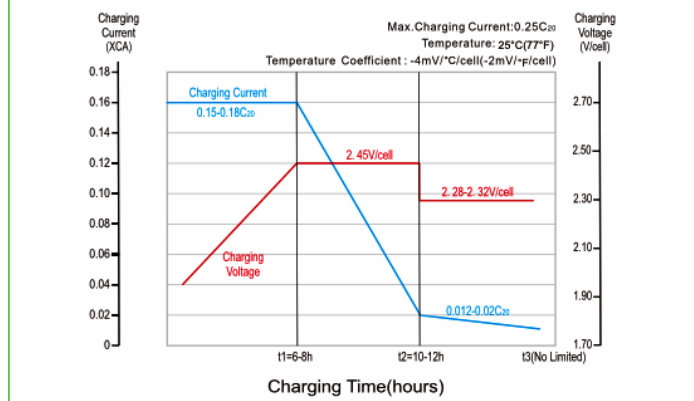
### Technical Drawings:



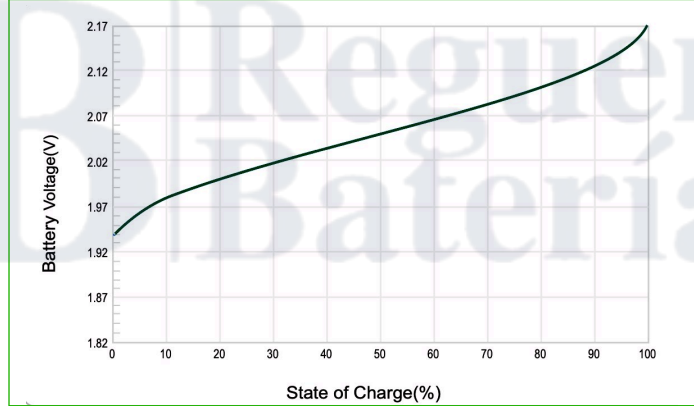
### Constant Current Discharge (CC, Unit: A) at 25°C (77°F)

Voltage (V)	Capacity (Ah)				Reserve Capacity (Min)	
	20h	10h	5h	3h	25A	56A
12	100	92	89	80	192	65

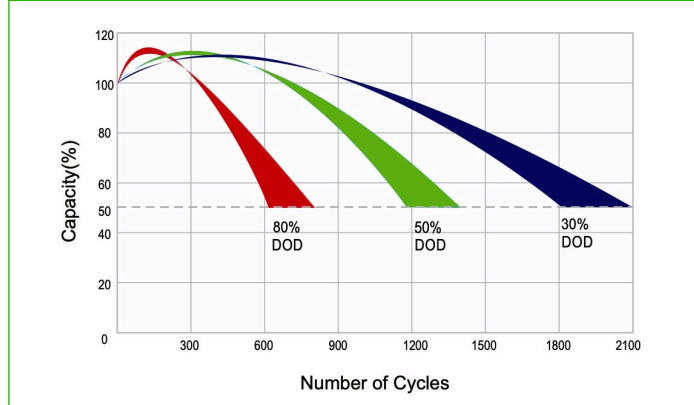
**Charging Profile**



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



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



**Self-discharge Characteristic**

