



Specifications:

Cells Per Unit	6
Voltage Per Unit	12V
Nominal Capacity	53.0Ah @20hour-rate to 1.75V per cell @25°C 44.0Ah @5hour-rate to 1.75V per cell @25°C
Weight	Approx. 14.2Kg ±2% (31.3lbs)
Terminal	R6.2
Cycle Use Voltage	14.77V~14.88V @ 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

LIVEN LVCD Series

LVCD series are manufacturing with Lead Carbon active material to perform in partial state of charge (PSoC) applications and double separator configuration. LVCD 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.

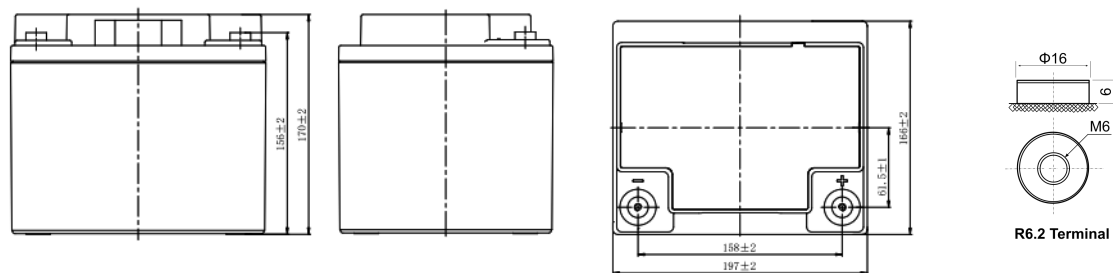
Applications:

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

Dimensions:

Length	197±1.5mm (7.76in)
Width	166±1.5mm (6.54in)
Height	170±1.5mm (6.69in)
Total Height	170±1.5mm (6.69in)

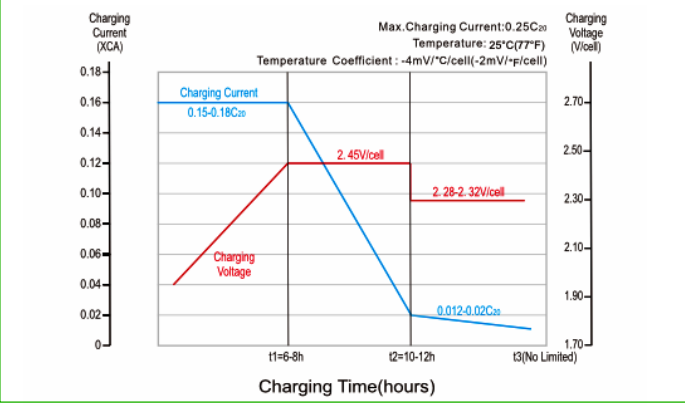
Technical Drawings:



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

Voltage (V)	Capacity (Ah)			
	20h	10h	5h	3h
12	53	46	44	40

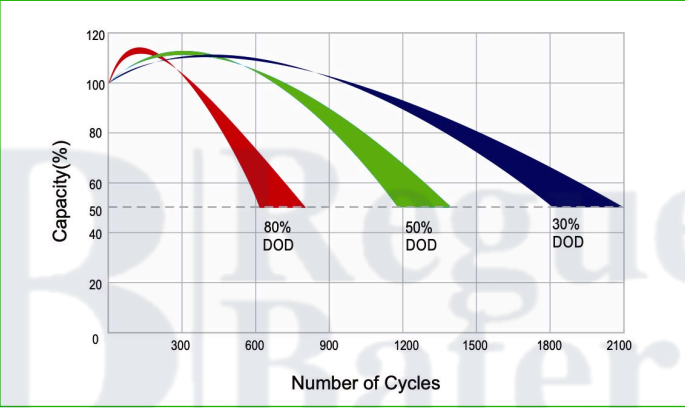
Charging Profile



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



Cycle Life in Relation to Depth Of Discharge



Self-discharge Characteristic

