



LIVEN LVTJ Series - Longer service life GEL Battery

- High performance, completely maintenance-free, low self-discharge
- 100% precise quality testing, stable quality and high reliable performance
- Unique grid alloy formula and updated manufacturing technique
- Floating & standby use: up to 15 years
- Cycle use 1: Up to 400 cycles at 100% DOD
- Cycle use 2: Up to 2400 cycles at 30% DOD

Application:

- Telecommunications
- Engine Starting
- Boats
- Wheelchair
- Solar System
- Wind Power System
- Floor Cleaning Machines
- Golf Trolley

Construction:

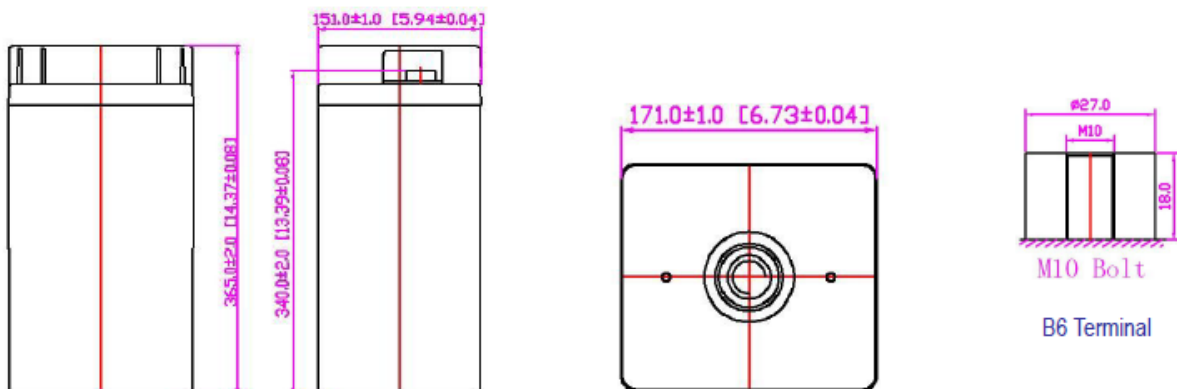
- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy
- Safety valve Rubber
- TerminalCopper/Pb
- SeparatorFiber glass
- Electrolyte Gelled acid



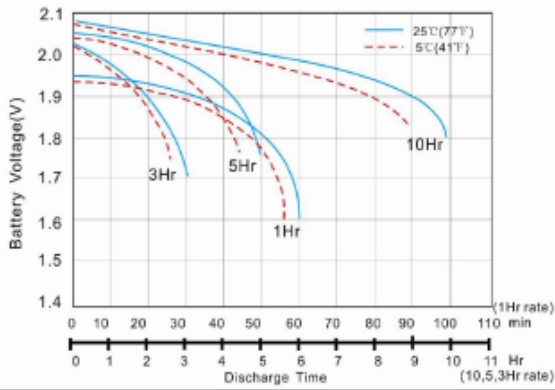
Specification:

Designed Floating Life	Up to 15 Years			
Capacity (25°C)	10HR(30.0A,10.8V)	5HR(48.18A,10.8V)	3HR(70.98A,10.8V)	1HR(151.98A,10.8V)
	300.0AH	240.90AH	212.94AH	151.98AH
Dimensions	Length	Width	Height	Total Height
	171mm (6.73inch)	151mm (5.94inch)	340mm (13.39inch)	365mm (14.37inch)
Approx. Weight	19.50Kg (43.00 lbs)			
Internal Resistance	Full charged at 25°C: ≤0.57mΩ			
Self Discharge	2% of capacity declined per month at (25°C)			
Capacity Affected by Temp.(20HR)	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage(25°C)	Cycle use		Float use	
	2.40-2.50V(-5mV/°C), max. Current:75.0A		2.25-2.30V (-3.0mV/°C)	

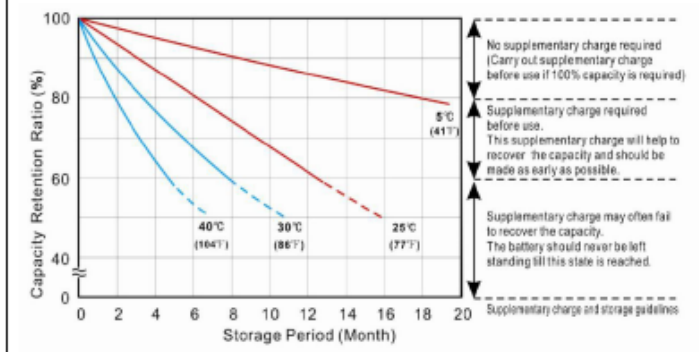
Outer Dimensions:



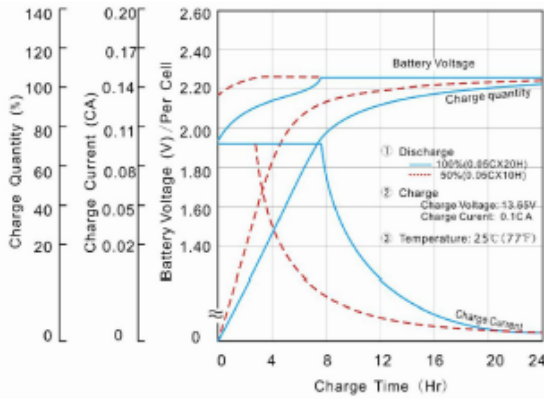
Terminal Voltage (V) and Discharge Time



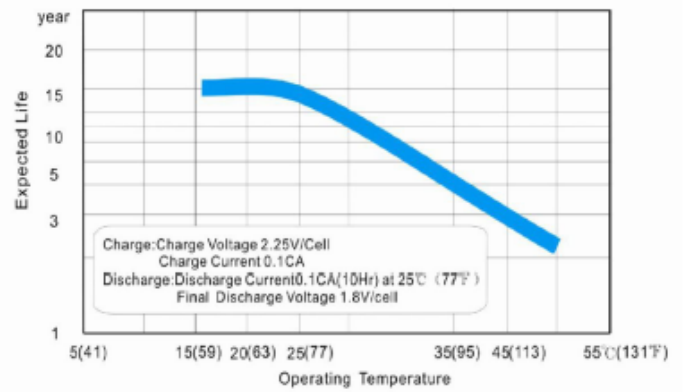
Capacity Retention Characteristic



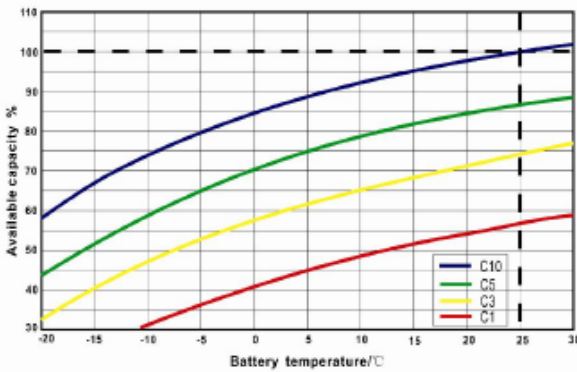
Battery VOLTage & Charge Time for Standby Use



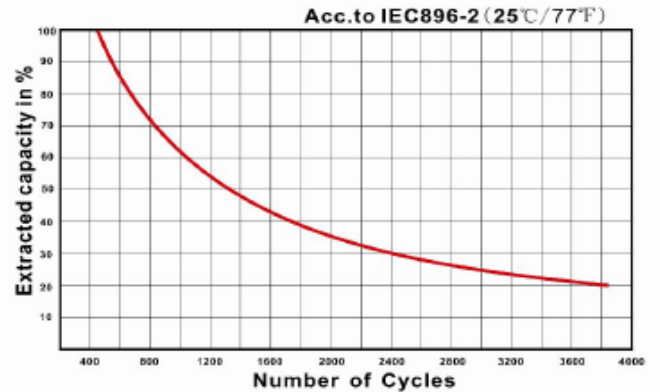
Tickle (or Float) Service Life



Battery Voltage & Charge Time for Cycle Use



Cycle Service Life



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

F.V/Time	10Min	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	8Hr	10Hr	20Hr
1.85V/Cell	643.34	438.64	210.55	148.14	92.41	69.19	57.02	46.96	42.55	34.80	29.24	14.80
1.80V/Cell	660.00	450.00	216.00	151.98	94.80	70.98	58.50	48.18	43.65	35.70	30.00	15.18
1.75V/Cell	667.92	455.40	218.59	153.80	95.94	71.83	59.20	48.76	44.17	36.13	30.36	15.36

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

F.V/Time	10Min	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	8Hr	10Hr	20Hr
1.85V/Cell	1254.5	855.4	410.6	288.9	180.2	134.9	111.2	91.6	83.0	67.9	57.0	28.9
1.80V/Cell	1287.0	877.5	421.2	296.4	184.9	138.4	114.1	94.0	85.1	69.6	58.5	29.6
1.75V/Cell	1302.4	888.0	426.3	299.9	187.1	140.1	115.4	95.1	86.1	70.5	59.2	30.0