



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

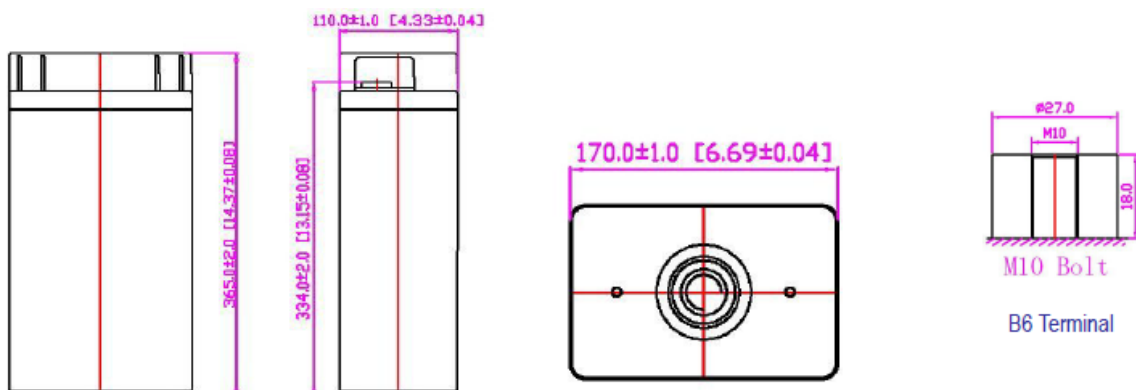
Construction:

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

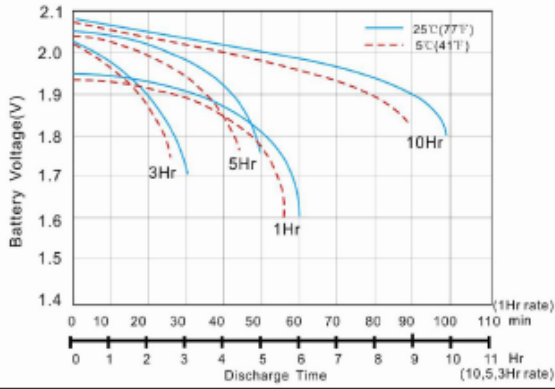
Specification:

Designed Floating Life	Up to 15 Years			
Capacity (25°C)	10HR(20.0A,10.8V)	5HR(32.12A,10.8V)	3HR(47.32A,10.8V)	1HR(101.32A,10.8V)
	200.0AH	160.6AH	141.96AH	101.32AH
Dimensions	Length	Width	Height	Total Height
	170mm (6.69inch)	110mm (4.33inch)	334mm (13.15inch)	365mm (14.37inch)
Approx. Weight	13.40Kg (29.55 lbs)			
Internal Resistance	Full charged at 25°C: ≤0.75mΩ			
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:50.0A		2.25-2.30V (-3.0mV/°C)	

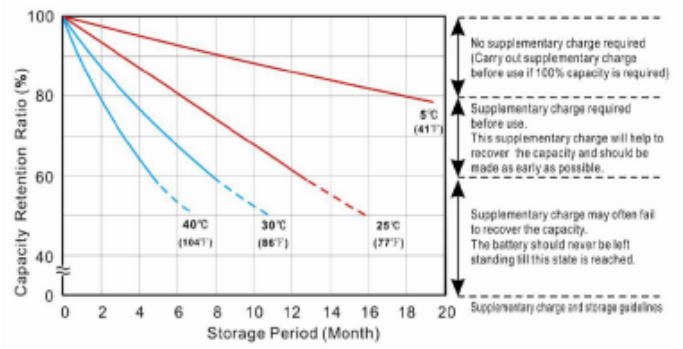
Outer Dimensions:



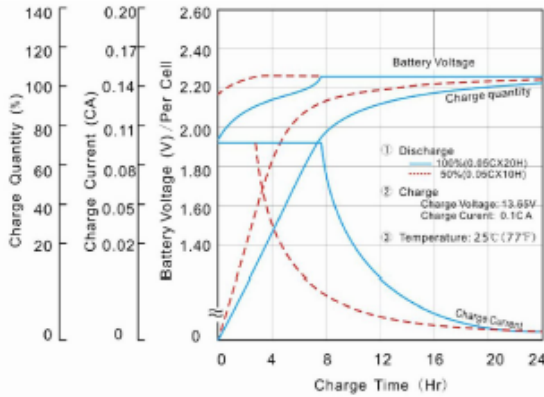
Terminal Voltage (V) and Discharge Time



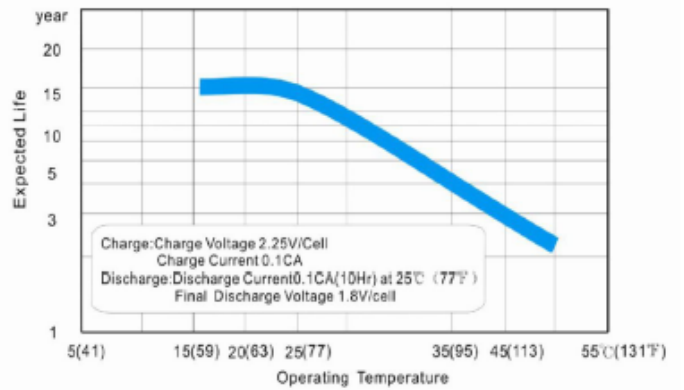
Capacity Retention Characteristic



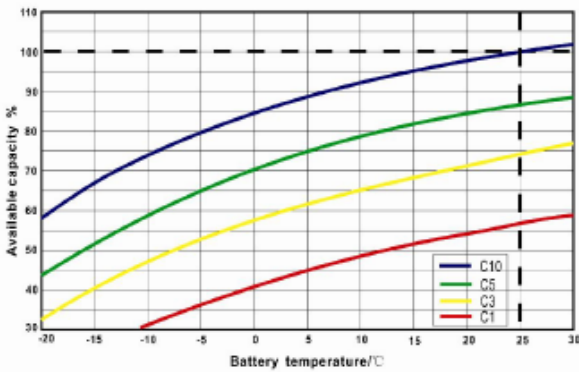
Battery VOLTage & Charge Time for Standby Use



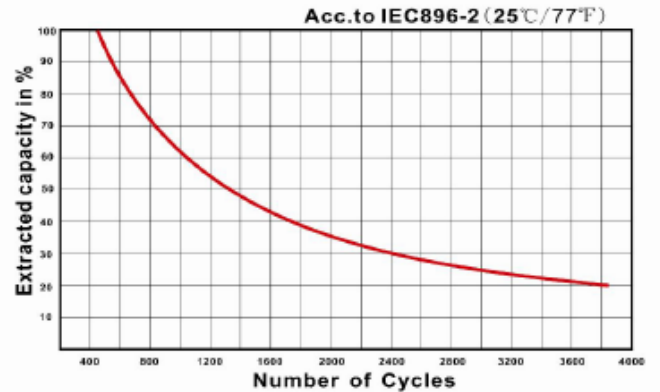
Tickle (or Float) Service Life



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	428.89	292.43	140.37	98.76	61.60	46.13	38.02	31.31	28.37	23.20	19.50	9.86
1.80V/Cell	440.00	300.00	144.00	101.32	63.20	47.32	39.00	32.12	29.10	23.80	20.00	10.12
1.75V/Cell	445.28	303.60	145.73	102.54	63.96	47.89	39.47	32.51	29.45	24.09	20.24	10.24

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	836.3	570.2	273.7	192.6	120.1	89.9	74.1	61.1	55.3	45.2	38.0	19.2
1.80V/Cell	858.0	585.0	280.8	197.6	123.2	92.3	76.1	62.6	56.7	46.4	39.0	19.7
1.75V/Cell	868.3	592.0	284.2	199.9	124.7	93.4	77.0	63.4	57.4	47.0	39.5	20.0