



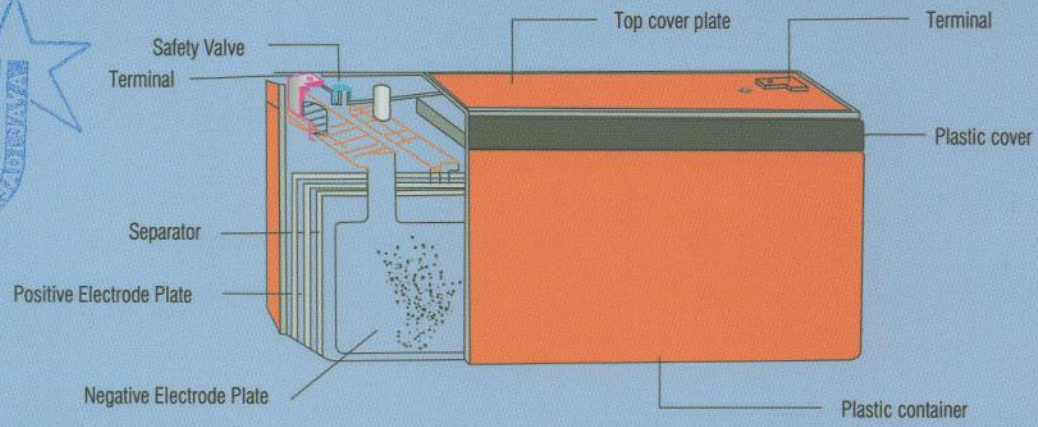
VRLA

Battery Deep Cycle AGM & GEL VRLA Battery

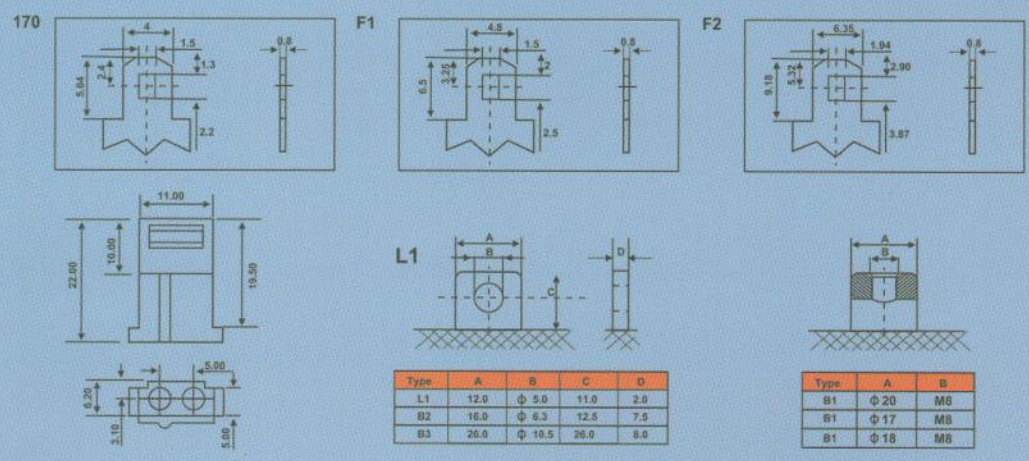


Living With Power

KAYABA
BATTERY



Terminal Design



Key Benefits

- High quality battery / Outstanding stability
- Maintenance Free Operation
- Multi-Position usage
- Explosion resistant
- Compact design
- Leak proof / Spill proof
- Multiple applications
- Long service life
- Long shelf life
- High discharge rate capability
- No corrosive gas generation
- Operates over a broad range of ambient temperature

Features

- Comply with Japan Industrial Standards
- Lead calcium grid alloy
- Absorbed Glass Mat (AGM) Technology
- Multi-Cell/ABS container
- High Energy density
- High recovery capability
- Electrolyte Suspension system
- 100% visual & electrical inspection
- Effective gas recombination system
- Computer controlled Battery Formation.
- State-of-the-art world class manufacturing plant
- Equipped with low pressure safety venting system

- Operating temperature range : -20 °C to +45 °C / -4 °F to +113 °F
- Charging Method : Constant voltage charging is recommended
- Float charging voltage : 2.26 to 2.30 vdc/cell average
- Temperature Co-efficient : -0.018 VPB / °C

Standby

- Uninterrupted power supply (UPS)
- Emergency lighting
- Weighing scales
- Telecommunication equipment
- Electronic cash registers
- Fire & Security systems
- Medical equipments
- Solar power systems
- Portable cine & video lights
- Vending Machines

Cyclic

- Electric vehicles
- Portable camcorders
- Vacuum cleaners
- Grass and hedge trimmers
- Cordless drills
- Electronic instruments
- Electronic camera strobes
- VTR/movie light & toys

GENERAL PURPOSE - STANDBY BATTERY

General Purpose Standby Battery is a battery that is designed to using a grid of thick, thick plate, with a special additive. so that the long-lasting use.

MODEL	VOLTAGE (V)	CAPACITY (Ah)	DIMENSION(±2mm)				MAX. DISCHARGE CURRENT FOR 5SEC.(A)	MAX. CHARGE CURRENT (A)	APPROX. WEIGHT (KG)	POLE TERMINAL	QTY/ CTN (PC)
			L	W	H	TH					
4V4A	4	4	70	47	101	107	10.5	1.20	0.69	F1/F2	20
6V4A	6	4	70	47	101	107	60	1.20	0.80	F1/F2	20
6V4.5A	6	4.5	70	47	101	107	60	1.35	0.72	F1/F2	20
6V5A	6	5	70	47	101	107	60	1.35	0.80	F1/F2	20
6V7A	6	7	151	34	95	100	60	2.10	1.10	F1/F2	20
12V7A	12	7	151	65	95	100	105	2.10	2.20	F1/F2	10
12V7.5A	12	7.5	151	65	95	100	105	2.25	2.20	F1/F2	10
12V8A	12	8	151	65	95	100	105	2.40	2.45	F1/F2	10
12V10A	12	10	151	98	95	101	180	3.00	3.30	F1/F2	4
12V12A	12	12	151	98	95	101	180	3.60	3.50	F1/F2	4
12V18A	12	18	181	77	167	167	255	5.40	5.20	L1	4
12V20A	12	20	181	77	167	167	255	6.00	5.20	L1	4
12V24A	12	24	175	166	126	126	420	7.20	7.80	L1	2
12V26A	12	26	175	166	126	126	420	7.80	8.00	L1	2
12V28A	12	28	175	166	126	126	420	8.40	8.00	L1	2
12V33A	12	33	196	130	163	180	495	9.90	10.50	L1	1
12V35A	12	35	196	130	163	180	495	10.50	12.20	L1	1
12V45A	12	45	195	164	155	170	540	13.50	14.20	B1	1
12V55A	12	55	350	168	178	185	650	16.50	19.40	B1	1
12V65A	12	65	350	168	178	185	650	19.50	21.50	B1	1
12V80A	12	80	261	169	211	216	960	24.00	25.00	B1	1
12V100A	12	100	330	172	217	220	1200	30.00	30.00	B1	1
12V120A	12	120	405	175	210	235	1300	36.00	35.60	B1	1
12V150A	12	150	480	170	240	240	1500	45.00	44.70	B1	1
12V200A	12	200	525	240	220	236	2000	60.00	61.00	B1	1

General Purpose VRLA Batteries

Handling Instruction of Sealed Batteries

Charging

- Follow the specified standards for charging current, charging voltage and charging time.
- Avoid parallel charging which could cause shortened battery life. If such charging is unavoidable, make two for maximum.
- During charging or any other occasion. NEVER put the battery in a sealed container or vinyl bag or enclose its exhaust port.

Discharging

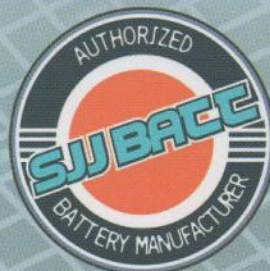
- The battery must be immediately charged when it has been incorrectly over discharged. Do not keep the battery in discharge condition for long duration.

Operation

- Avoid mixed use of batteries with different capacities and different makes because the difference in characteristics could cause damage to the battery or other equipment.
- DO NOT use in the atmosphere of organic solvent.
- DO NOT touch any object which contains plasticizer (such as soft vinyl chloride).
- DO NOT install the battery in a location close to any object which gives off heat (such as a transformer) or near fire.

Other Items of Caution

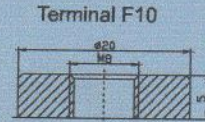
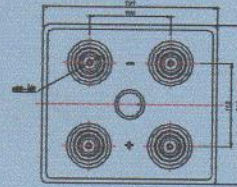
- Ambient temperature for storage must be within the range of -20°C (-40°F) 40°C (104°F).
- To store the battery, remove it from the equipment or separate it from the charger or load and keep in a place that is as dry and low in temperature as possible.
- During storage, recharge the battery at least every three months.
- DO NOT short-circuit the battery.
- DO NOT solder the battery terminals.
- In case sulphuric acid from the battery happens to come in contact with your skin or clothes, immediately wash with water. If it comes in contact with your eyes, wash them with water immediately and consult a doctor for medical care.



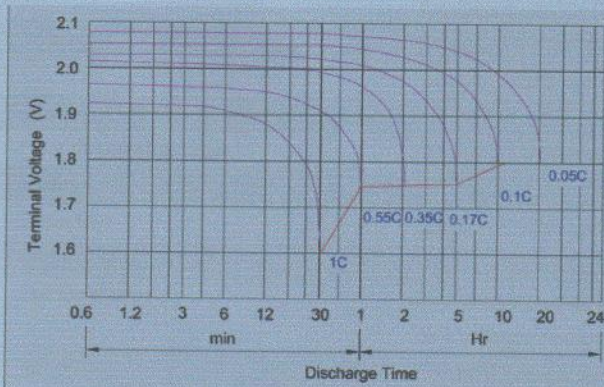
SJJ BATT

Dimension (mm)

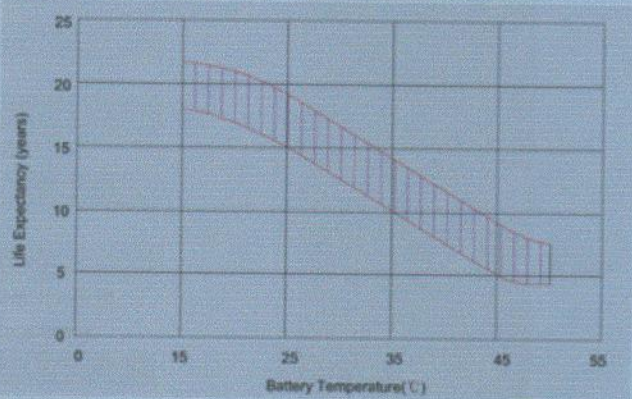
- **Length**
191±2.0mm (7.51±0.08inch)
- **Width**
210±2.0mm (8.26±0.08inch)
- **Container Height**
646±2.0mm (25.4±0.08inch)
- **Total Height**
681±2.0mm (26.8±0.08inch)



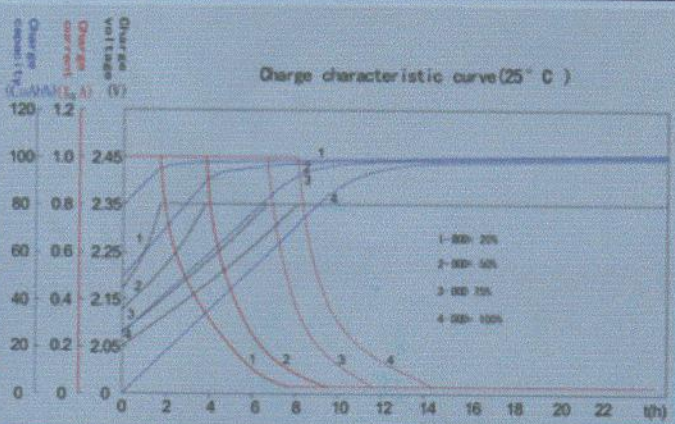
Discharge characteristic curve



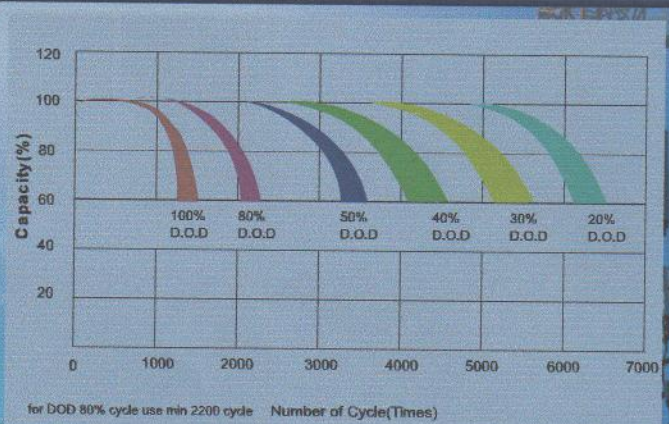
Effect of temperature on long term float life



Charge characteristic Curve for cycle use

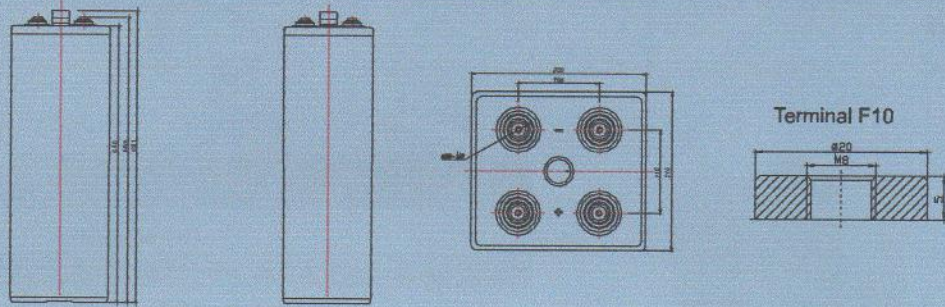


Life characteristics of cyclic use

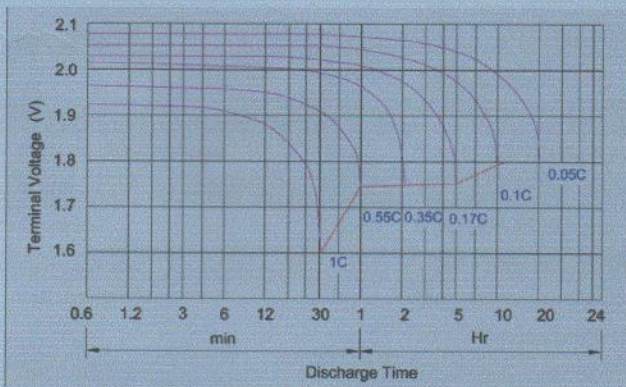


Dimension (mm)

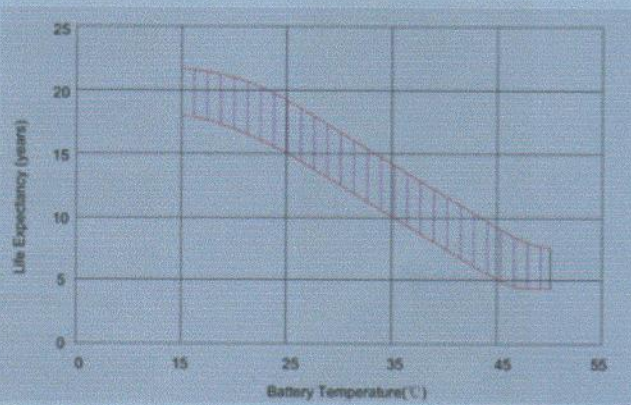
- **Length**
233±2.0mm (9.17±0.08inch)
- **Width**
210±2.0mm (8.26±0.08inch)
- **Container Height**
646±2.0mm (25.4±0.08inch)
- **Total Height**
681±2.0mm (26.8±0.08inch)



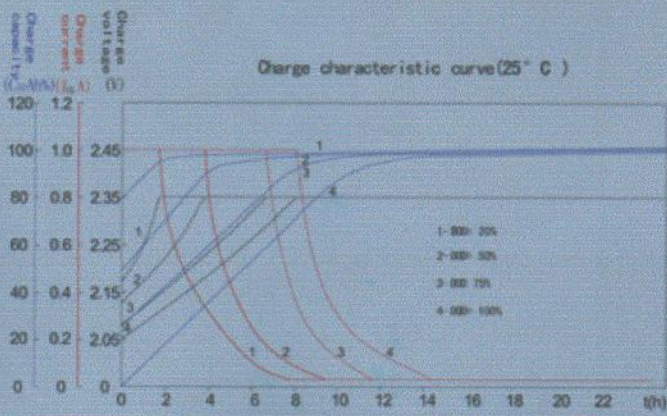
Discharge characteristic curve



Effect of temperature on long term float life



Charge characteristic Curve for cycle use



Life characteristics of cyclic use

