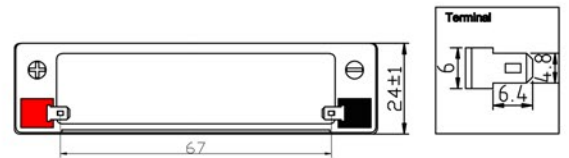
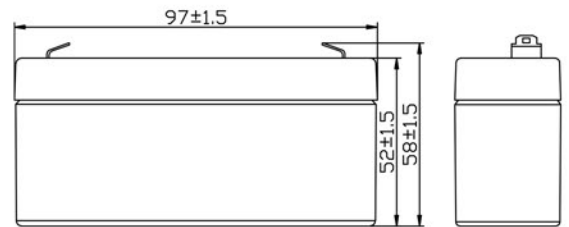


## Specification

Nominal Voltage (V)	6V (3 cells in series)	
Rated Capacity	1.2Ah	(C <sub>20</sub> , 1.75V/cell)
Dimensions(mm)	Length	97 ± 1.5 mm
	Width	24 ± 1 mm
	Height	52 ± 1.5 mm
	Total Height	58 ± 1.5 mm
Nominal Capacity @25°C (Ah)	20 Hour rate (0.061A to 5.25 volts)	1.22Ah
	10 Hour rate (0.116A to 5.25 volts)	1.16Ah
	5 Hour rate (0.207A to 5.25 volts)	1.03Ah
	1 Hour rate (0.780A to 4.80 volts)	0.78Ah
	15 min rate (2.310A to 4.80 volts)	0.57Ah
Approx. Weight	0.27 kg	
Terminal	T1-A	
Max.Discharge Current	18A @25°C (5s)	
Internal Resistance	62mΩ @25°C (Full Charged Battery)	
Floating Design Life	5 years @25°C	
Ambient Temperature	Charge:	-15°C~50°C
	Discharge:	-20°C~60°C
	Storage:	-20°C~50°C
Container Material	A.B.S , UL94-HB , UL94-V0 , Optional	
Self Discharge	VRLA batteries can be stored for more than 6 months at 25°C. Self-Discharge ratio less than 3% per month at 25°C. Please charge batteries before using.	



## Certification



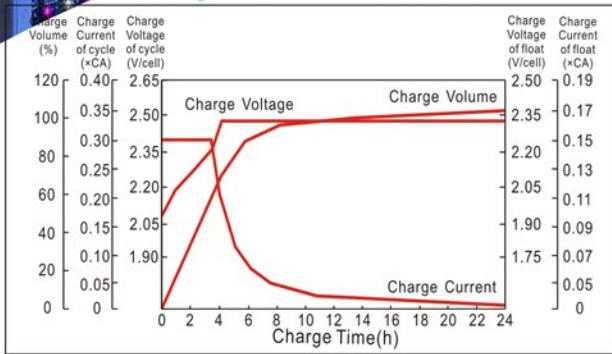
## Constant Current Discharge Characteristics (A), (25°C)

F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	4.734	3.102	2.310	1.230	0.780	0.439	0.314	0.212	0.140	0.120	0.064
1.70V/cell	4.296	2.874	2.178	1.194	0.763	0.433	0.306	0.209	0.138	0.117	0.062
1.75V/cell	3.858	2.694	2.058	1.158	0.753	0.429	0.303	0.207	0.137	0.116	0.061
1.80V/cell	3.462	2.520	1.938	1.122	0.742	0.425	0.299	0.205	0.135	0.114	0.058

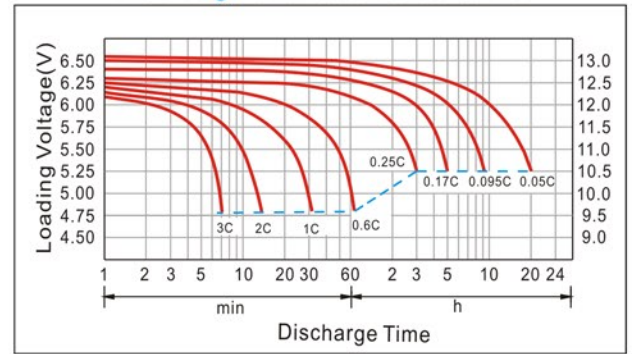
## Constant Wattage Discharge Characteristics (Watt), (25°C)

F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	8.561	5.661	4.254	2.347	1.547	0.872	0.626	0.422	0.280	0.240	0.128
1.70V/cell	7.912	5.341	4.084	2.298	1.519	0.862	0.611	0.416	0.276	0.234	0.124
1.75V/cell	7.202	5.096	3.893	2.248	1.501	0.855	0.605	0.414	0.273	0.232	0.122
1.80V/cell	6.520	4.809	3.698	2.197	1.481	0.849	0.599	0.409	0.270	0.228	0.117

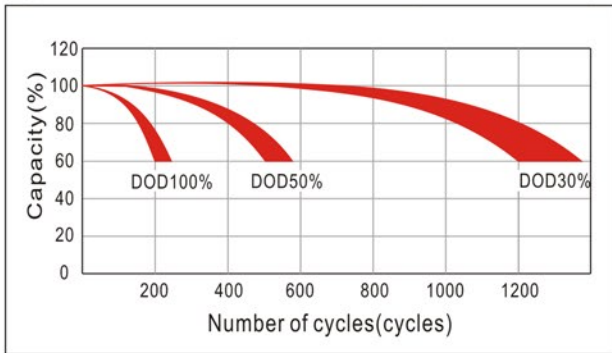
### Charge Characteristics Curve



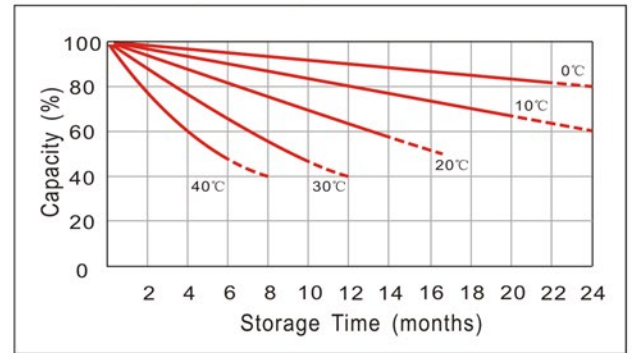
### Discharge Characteristics Curve



### Cycle service life in relation to depth of discharge



### Capacity Storage Characteristics



### Capacity Factors with Different Temperature

Battery type		-20°C	-10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
GEL Battery	6V&12V	50%	70%	83%	85%	90%	98%	100%	102%	104%	105%
	2V	60%	75%	85%	88%	92%	99%	100%	103%	105%	106%
AGM Battery	6V&12V	46%	66%	76%	83%	90%	98%	100%	103%	107%	109%
	2V	55%	70%	80%	85%	92%	99%	100%	104%	108%	110%

## Maintenance & Cautions

#### Charging Procedure:

Application	Charging method	Charge voltage at 25°C	Temperature compensation coefficient of charging voltage	Max.charging current	Temperature
For standby power source	Constant voltage charging (With current restriction)	2.25~2.30 V/cell	-3mV/°C/cell	0.2CA	-15~50°C
For cycle service		2.45~2.50 V/cell	-4mV/°C/cell	0.3CA	

- Every month, recommend inspection every battery voltage.
- Every three months, recommend equalization charge for one time. **Equalization charge method:**  
 Step 1: Discharge: 100% rate capacity discharge.  
 Step 2: Charge: Max. Current 0.3CA, constant voltage 2.45~2.50V/Cell charge 24h.
- Length of service life will be directly affected by the number of discharge cycles, depth of discharge, Ambient temperature and charging voltage.
- Charge the batteries at least once every six months, if they are stored at 25°C. **Charging Method:**  
 Constant Voltage :  $-0.2C \times 2h + 2.4 \sim 2.45V/cell \times 24h$  , Max. Current 0.25CA  
 Constant Current :  $-0.2C \times 2h + 0.1C \times 12h$   
 Fast :  $-0.2C \times 2h + 0.3C \times 4h$

#### Terminal of torque:

Bolt	M5	M6	M8
Terminal	T3、T10	T4、T7、T11、T12、T13	T5、T6、T8、T9、T14
Torque	6~7N.m	8~10N.m	10~12N.m