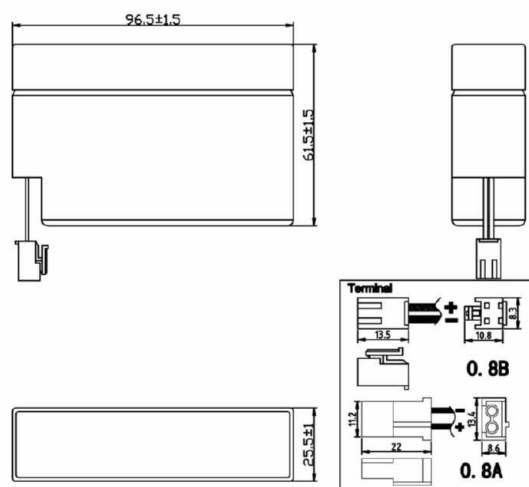


Specification

Nominal Voltage (V)	12V (6 cells in series)	
Rated Capacity	0.8Ah	(C ₂₀ , 1.75V/cell)
Dimensions(mm)	Length	96.5 ± 1.5 mm
	Width	25.5 ± 1 mm
	Height	61.5 ± 1.5 mm
	Total Height	61.5 ± 1.5 mm
Nominal Capacity @25°C (Ah)	20 Hour rate (0.040A to 10.5 volts)	0.80Ah
	10 Hour rate (0.077A to 10.5 volts)	0.77Ah
	5 Hour rate (0.138A to 10.5 volts)	0.69Ah
	1 Hour rate (0.520A to 9.6 volts)	0.52Ah
	15 min rate (1.540A to 9.6 volts)	0.38Ah
Approx. Weight	0.36 kg	
Terminal	0.8A/0.8B	
Max.Discharge Current	12A @25°C (5s)	
Internal Resistance	155mΩ @25°C (Full Charged Battery)	
Floating Design Life	5 years @25°C	
Ambient Temperature	Charge: -15°C~50°C	
	Discharge: -20°C~60°C	
Container Material	Storage: -20°C~50°C	
	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



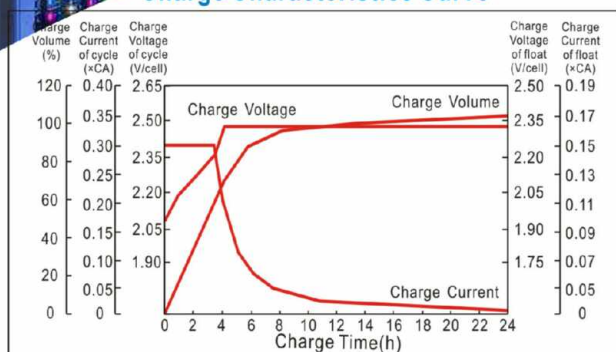
Constant Current Discharge Characteristics (A), (25°C)

F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	3.156	2.068	1.540	0.820	0.520	0.293	0.209	0.141	0.093	0.080	0.043
1.70V/cell	2.864	1.916	1.452	0.796	0.508	0.288	0.204	0.139	0.092	0.078	0.041
1.75V/cell	2.572	1.796	1.372	0.772	0.502	0.286	0.202	0.138	0.091	0.077	0.040
1.80V/cell	2.308	1.680	1.292	0.748	0.495	0.284	0.200	0.136	0.090	0.076	0.039

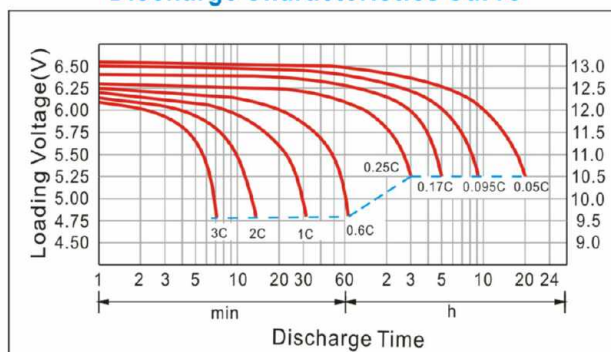
Constant Wattage Discharge Characteristics (Watt), (25°C)

F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	5.707	3.774	2.836	1.565	1.031	0.581	0.417	0.282	0.186	0.160	0.086
1.70V/cell	5.275	3.561	2.723	1.532	1.013	0.574	0.407	0.278	0.184	0.156	0.083
1.75V/cell	4.801	3.397	2.595	1.499	1.001	0.570	0.404	0.276	0.182	0.155	0.081
1.80V/cell	4.347	3.206	2.466	1.465	0.987	0.566	0.399	0.273	0.180	0.152	0.078

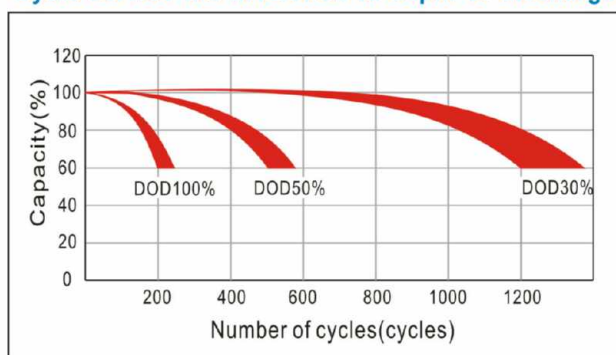
Charge Characteristics Curve



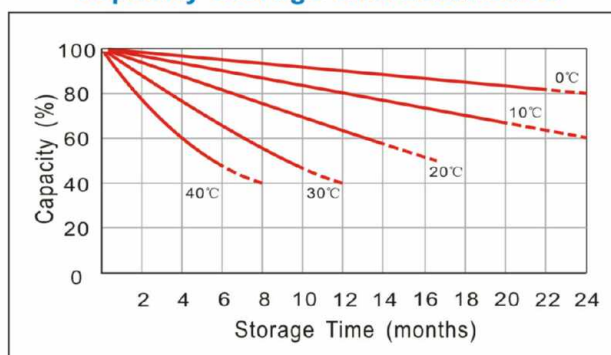
Discharge Characteristics Curve



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