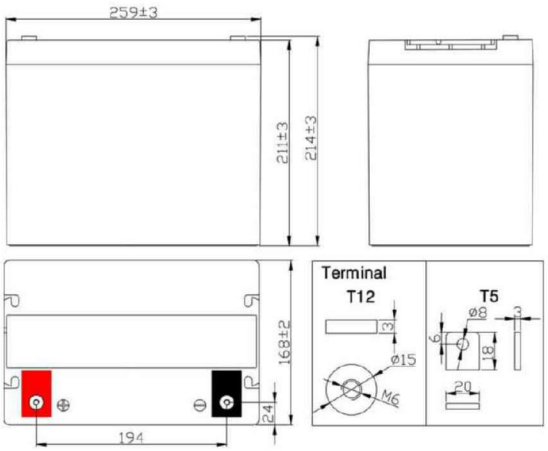
Geti

Specification

Nominal Voltage (V)	12V (6 cells in series)	
Rated Capacity	70.0Ah	(C_{10},1.80V/cell)
Dimensions(mm)	Length	259 ± 3 mm
	Width	168 ± 2 mm
	Height	211 ± 3 mm
	Total Height (T12)	214 ± 3 mm
	Total Height (T5)	229 ± 3 mm
Nominal Capacity @25℃ (Ah)	20 Hour rate (3.815A to 10.8 volts)	76.3Ah
	10 Hour rate (7.140A to 10.8 volts)	71.4Ah
	5 Hour rate (12.25A to 10.8 volts)	61.2Ah
	1 Hour rate (44.31A to 10.5 volts)	44.3Ah
Approx. Weight	21.5 kg	
Terminal	T12/T5	
Max.Discharge Current	560A @25℃ (5s)	
Internal Resistance	7.5mΩ @25℃ (Full Charged Battery)	
DOD 80%	≥450 Cycles @25℃	
Ambient Temperature	Charge：-15℃~50℃ Discharge：-20℃~60℃ Storage：-20℃~50℃	
Container Material	A.B.S , UL94-HB , UL94-V0 , Optional	
Self Discharge	VRLA batteries can be stored for more than 6 months at 25℃. Self-Discharge ratio less than 3% per month at 25℃. Please charge batteries before using.	



Certification

MH28792

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

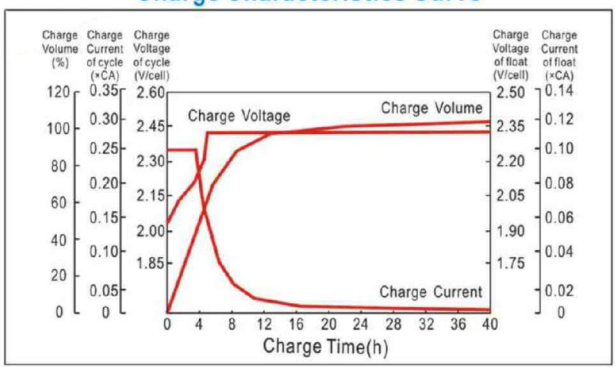
F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	238.0	158.6	127.0	78.75	45.50	27.20	19.32	12.94	8.694	7.420	4.060
1.70V/cell	213.5	146.0	120.8	76.65	44.87	26.85	18.97	12.63	8.554	7.315	3.955
1.75V/cell	192.5	134.8	115.2	74.55	44.31	26.50	18.76	12.44	8.470	7.245	3.885
1.80V/cell	171.5	122.9	108.2	71.68	43.40	26.13	18.55	12.25	8.344	7.140	3.815

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

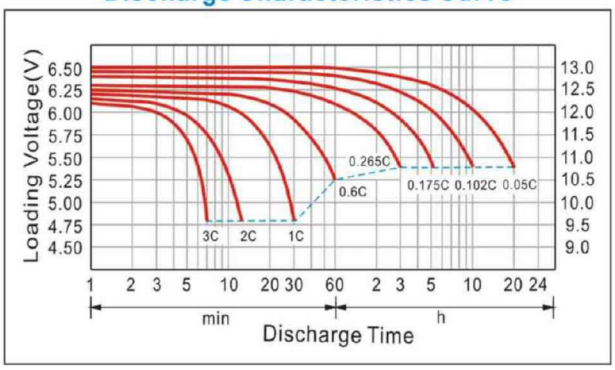
F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	410.6	282.7	230.7	147.0	87.21	53.03	38.32	25.72	17.30	14.78	8.113
1.70V/cell	377.2	265.1	222.4	144.4	86.37	52.57	37.72	25.17	17.07	14.61	7.910
1.75V/cell	344.9	248.2	214.0	141.6	85.67	52.11	37.39	24.86	16.94	14.49	7.770
1.80V/cell	311.6	229.3	202.8	137.4	84.27	51.83	37.07	24.50	16.69	14.28	7.630

Geti

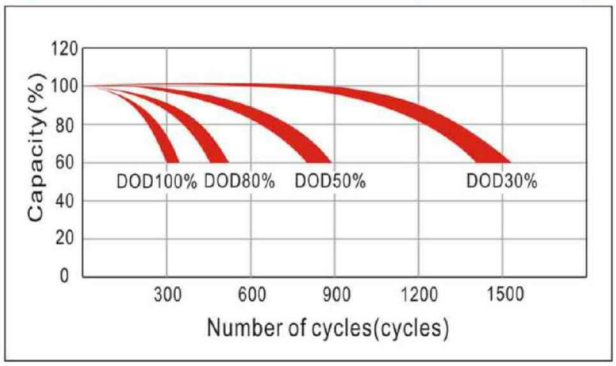
Charge Characteristics Curve



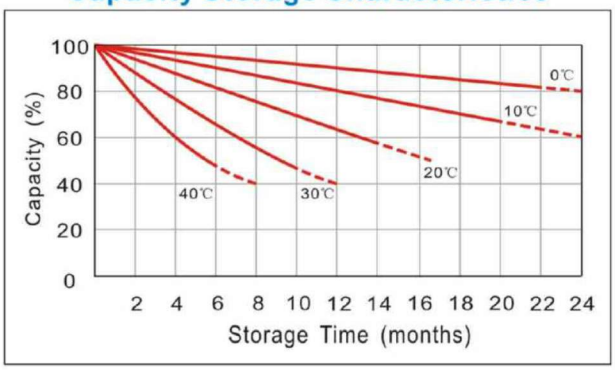
Discharge Characteristics Curve



Cycle service life in relation to depth of discharge



Capacity Storage Characteristics



Capacity Factors with Different Temperature

Battery type		-20℃	-10℃	0℃	5℃	10℃	20℃	25℃	30℃	40℃	45℃
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℃	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/℃/cell	0.2CA	-15~50℃
For cycle service		2.40~2.45 V/cell	-4mV/℃/cell	0.3CA	

☑ Float service:

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 2.40-2.45V/Cell charge 24h.

☑ Cycle service:

Avoid battery over discharge,especially battery sereis connection use.

Charged with recommend voltage,ensure battery can be full recharged.

Ingeneral,recharge capacity should be 1.1~1.15 times discharge capacity.

☑ 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℃.Charging Method:

Constant Voltage : -0.2C × 2h+2.4~2.45V/cell × 24h , Max. Current 0.25CA

Constant Current : -0.2C × 2h+0.1C × 12h

Fast : -0.2C × 2h+0.3C × 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