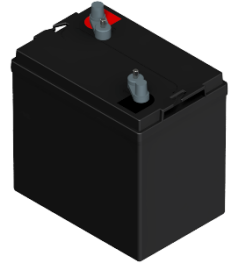


Powered by



RG-GC2-225-DT

6V 225Ah



This series is specially designed for frequent discharge deep cycle. This battery offers reliable performance in high load situations and is suitable for electric vehicles and golf carts; industrial equipment, floor machines, Marine, RV, and no-idle solutions.

► Specification

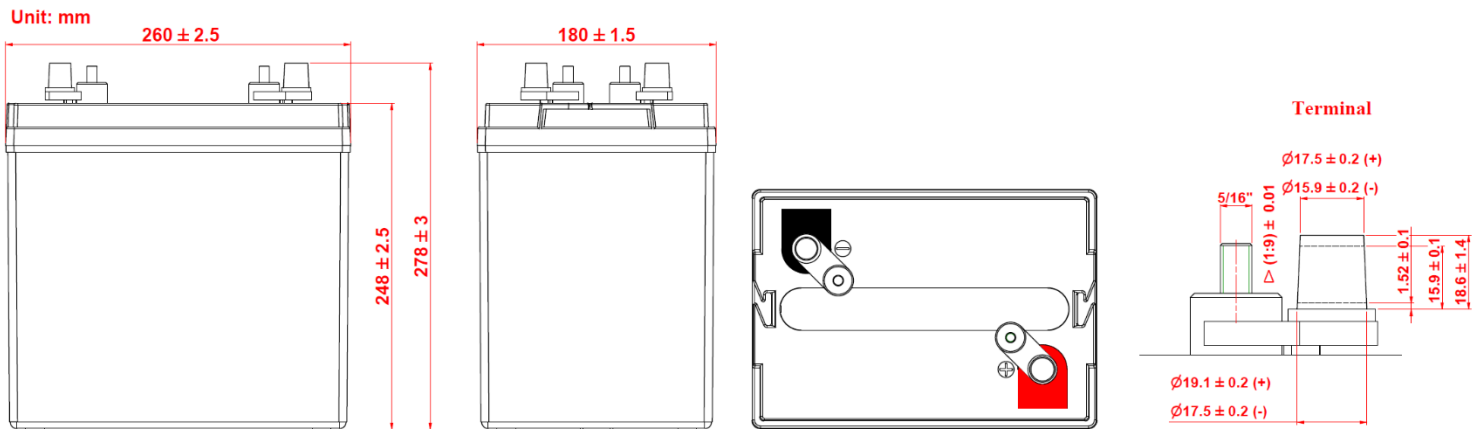
Cells Per Unit	3
Voltage Per Unit	6
Capacity	225Ah @ 20hr-rate to 1.75V per cell @25°C (77°F)
Weight	Approx. 30.5 kg(67.1 lbs) - Tolerance±3%
Maximum Discharge Current	2250A (5sec)
Internal Resistance	Approx. 1.8mΩ
Operating Temperature Range	Discharge: -15°C~50°C (5°F~122°F) Charge: -15°C~40°C (5°F~104°F) Storage: -15°C~40°C (5°F~104°F)
Nominal Operating Temperature Range	25°C±3°C (77°F±5°F)
Float Charging Voltage	6.75 to 6.90 VDC/unit Average at 25°C (77°F)
Recommended Maximum Charging Current Limit	67.5A
Equalization and Cycle Service	7.2 to 7.5 VDC/unit Average at 25°C (77°F)
Self Discharge	This battery can be stored for more than 6 months at 25°C (77°F). Please charge batteries before using. For higher temperatures the time interval will be shorter.
Terminal	car terminal and 5/16" bolt
Container Material	ABS(UL 94-HB) & Flammability resistance of (UL 94-V0) can be available upon request.



► Dimensions :

Unit: mm

Overall Height (H)	Container height (h)	Length (L)	Width (W)
278±3.0	248±2.5	260±2.5	180±1.5



Constant Current Discharge Characteristics Unit: A (25°C,77°F)

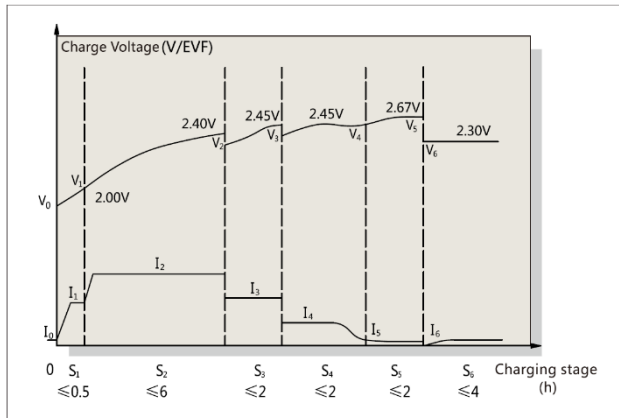
F.V/Time	30min	45min	1h	3h	5h	8h	10h	20h
1.60V	223.1	164.1	129.8	56.8	38.3	26.2	21.7	11.42
1.65V	219.0	161.0	127.9	56.2	38.1	26.1	21.7	11.38
1.7V	216.0	159.3	124.5	55.8	37.9	26.1	21.7	11.35
1.75V	208.4	154.8	122.4	54.8	37.3	25.8	21.5	11.25
1.8V	198.7	149.4	117.2	52.9	36.2	25.4	21.2	11.08
1.85V	185.9	141.9	108.6	48.5	33.7	24.2	20.4	10.71

Constant Power Discharge Characteristics Unit: W (25°C,77°F)

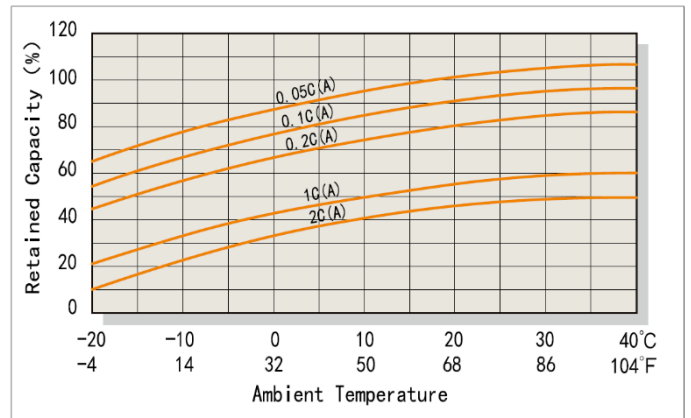
F.V/Time	30min	45min	1h	3h	5h	8h	10h	20h
1.60V	368.4	274.9	220.8	106.4	74.7	51.2	42.8	22.47
1.65V	358.4	267.4	218.0	105.4	74.5	51.0	42.7	22.35
1.7V	347.6	261.8	216.1	104.6	74.3	50.8	42.6	22.28
1.75V	328.2	248.7	210.8	102.6	73.4	50.4	42.2	22.07
1.8V	304.0	232.0	205.3	99.0	71.4	49.5	41.6	21.79
1.85V	271.7	208.9	193.3	91.9	67.0	47.8	40.3	21.18

Ratings presented herein are subject to revision without notice.

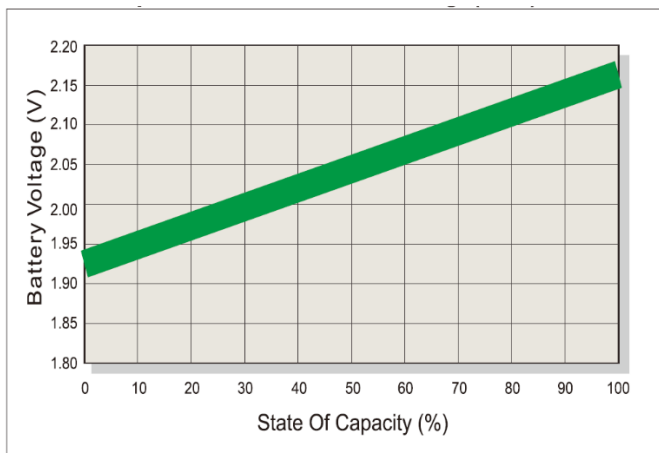
Charging characteristic curve



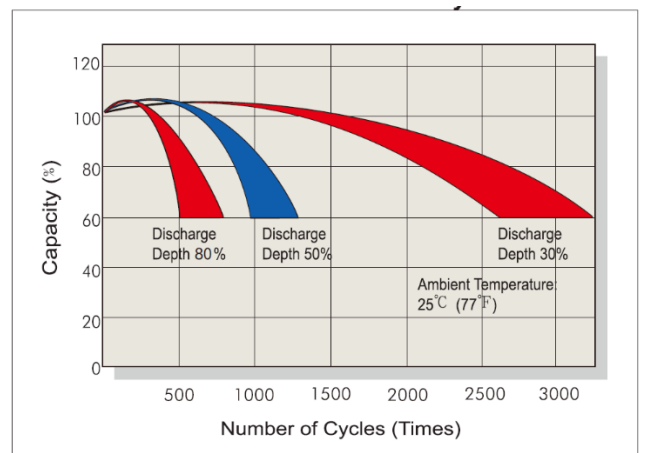
Temperature Effects On Capacity



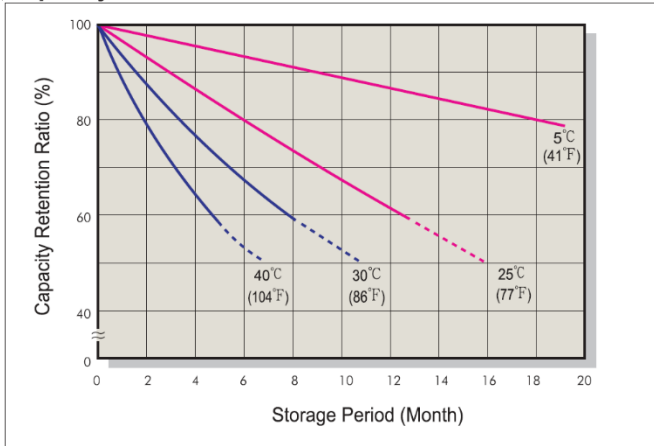
Relationship of OCV And State of Charge (20°C)



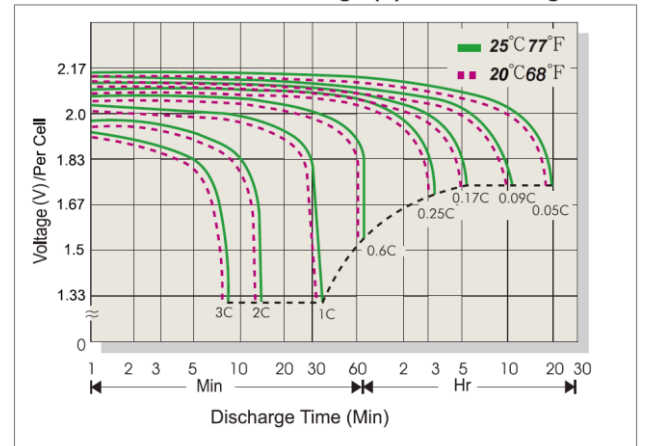
Cycle Service Life



Capacity Retention Characteristic



Terminal Voltage (V) and Discharge Time



Charging Procedures

Application	Charge Voltage(V/Cell)			Max.Charge Current
	Temperature	Set Point	Allowable Range	
Cycle Use	25 °C (77 °F)	2.45	2.40~2.50	0.3C
Standby	25 °C (77 °F)	2.275	2.25~2.30	

Discharge Current VS. Discharge Voltage

Final Discharge Voltage V/Cell	1.75	1.70	1.65	1.60
Discharge Current(A)	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C

Effect of temperature on capacity (20HR)

Temperature	Dependency of Capacity (20HR)
40 °C	102%
25 °C	100%
0 °C	85%
-15 °C	65%

Self-discharge Characteristics

Storage time	Preservation rate
3 Months	91%
6 Months	82%
12 Months	64%