



EV6-205(6V205Ah)



Specification

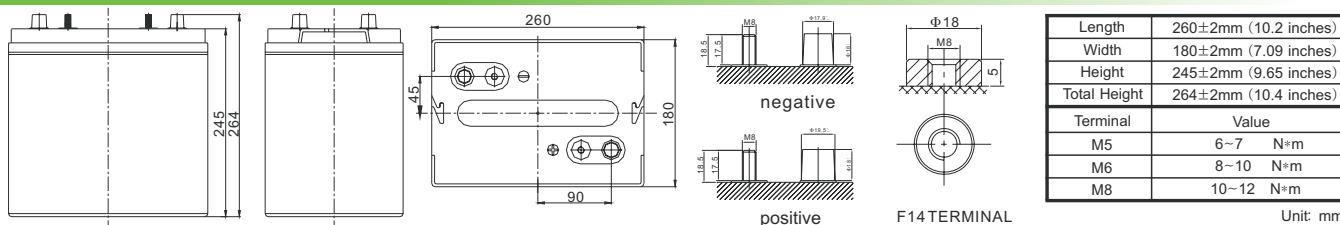
Cells Per Unit	3
Voltage Per Unit	6
Capacity	205Ah@10hr-rate to 1.80V per cell @25°C
Weight	Approx. 29.0 Kg (Tolerance ±3.0%)
Internal Resistance	Approx. 2.5 mΩ
Terminal	F14(M8)/F22(M8)
Max. Discharge Current	2050A (5 sec)
Cold Cranking Ampere(CCA)	740A
Maxi. Charging Current	61.5A
Reference Capacity	C3 158.7AH
	C5 179.0AH
	C10 205.0AH
	C20 218.0AH
Float Charging Voltage	6.8 V~6.9 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	7.3 V~7.4 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -20°C~60°C
	Charge: 0°C~50°C Storage: -20°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	RITAR Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 25°C. Please charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



EV (Electric Vehicle) series is specially designed for frequent discharge deep cycle application. By using the specially designed active material, strong grids and thick plate construction, the EV series battery offers reliable performance in high load situations and could provide competitive cycle performance. It is suitable for Electric Vehicle and Golf cart, Floor Machines, Forklifts, Aerial lifts, Robotics, Marine, RV, Mobility and Medical Equipment, and most outdoor application.



Dimensions



Constant Current Discharge Characteristics : A(25°C)

F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	371.9	226.7	126.5	74.7	57.9	45.5	38.7	26.0	21.6	11.3
1.65V	355.6	217.6	122.2	72.3	56.1	44.3	37.7	25.7	21.4	11.1
1.70V	333.0	208.0	118.2	69.9	54.6	43.1	36.7	25.3	21.0	11.0
1.75V	309.9	198.8	113.9	67.5	52.9	42.0	35.8	25.0	20.8	10.9
1.80V	286.2	190.0	109.5	65.1	51.3	40.7	34.9	24.6	20.5	10.8
1.85V	237.5	163.7	98.2	59.6	47.4	37.9	32.5	23.1	19.3	10.2

Constant Power Discharge Characteristics : WPC(25°C)

F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	650.2	411.7	237.7	141.6	110.5	87.3	74.6	50.8	42.5	22.3
1.65V	630.8	399.4	230.9	137.7	107.6	85.3	73.0	50.3	42.1	22.0
1.70V	599.6	385.6	224.8	133.9	105.1	83.3	71.3	49.7	41.5	21.7
1.75V	566.1	372.4	217.9	129.8	102.4	81.5	69.8	49.1	41.0	21.5
1.80V	530.1	359.5	210.8	125.8	99.6	79.4	68.2	48.4	40.5	21.3
1.85V	446.2	312.7	190.2	115.9	92.5	74.1	63.8	45.5	38.2	20.2

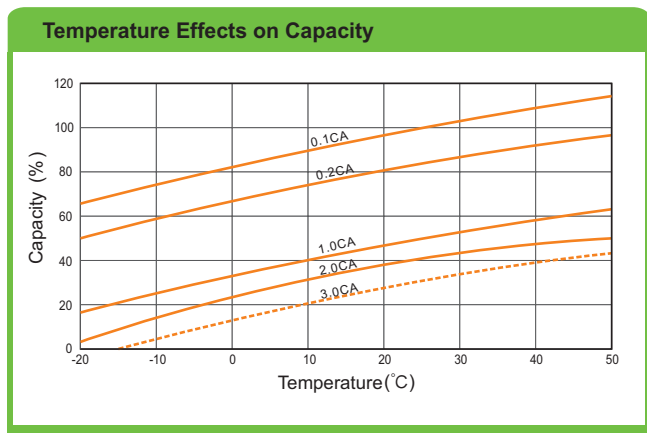
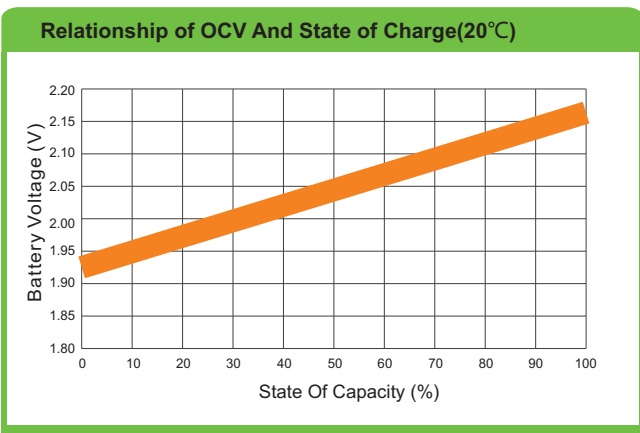
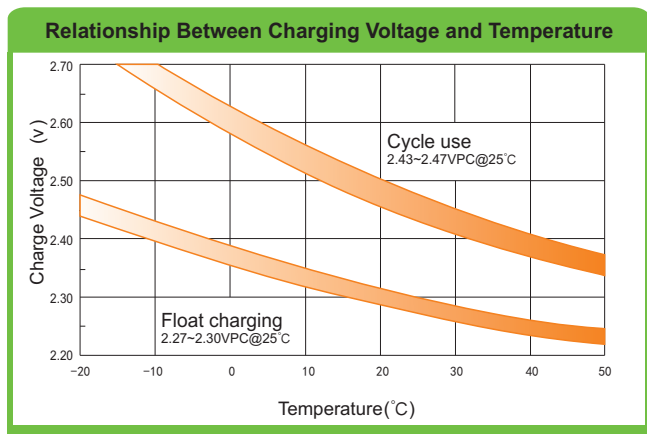
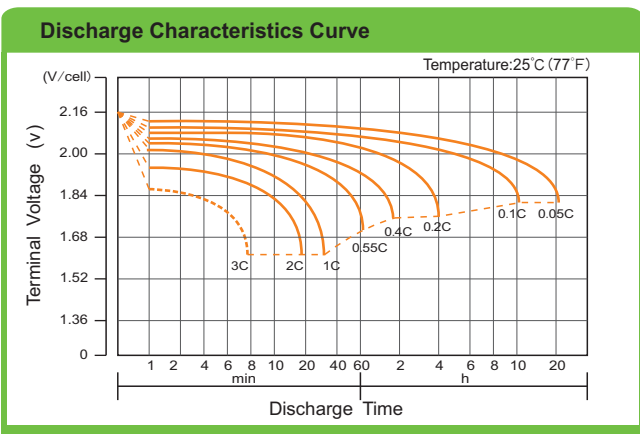
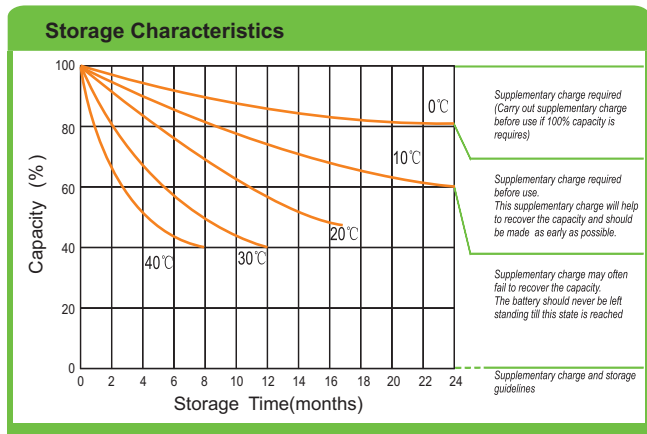
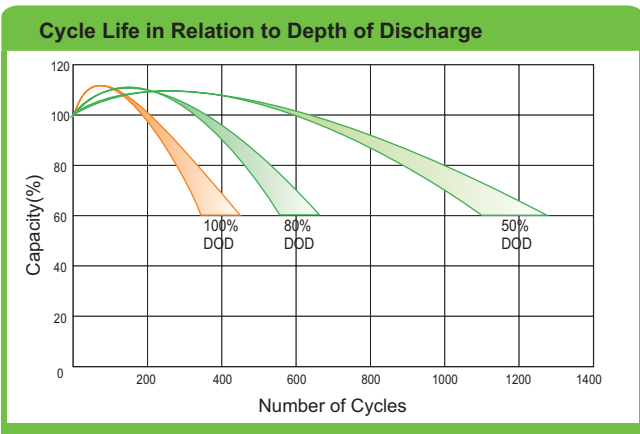
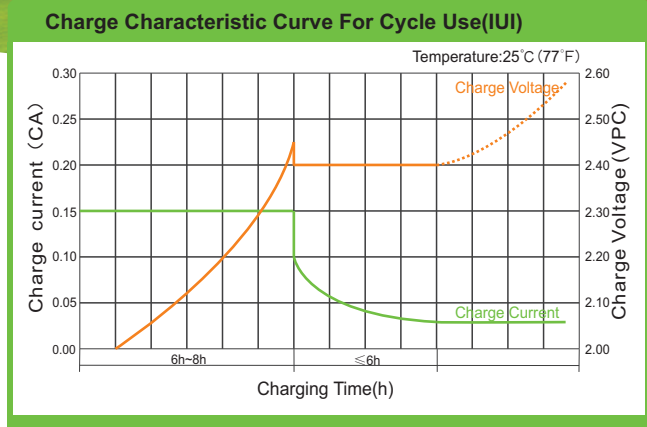
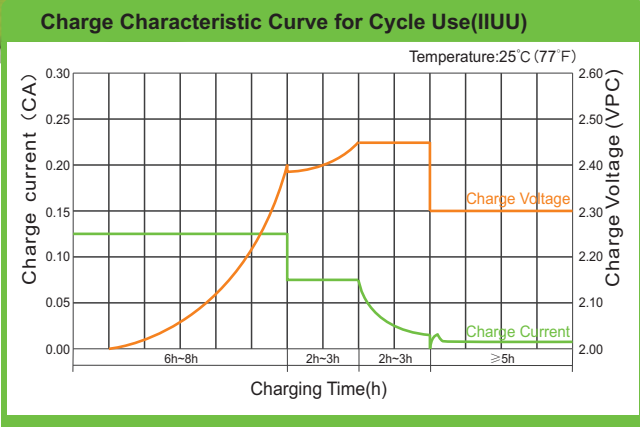
(Note) The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values.

The battery must be fully charged before the capacity test. The C₁₀ should reach 95% after the first cycle and 100% after the third cycle.

If F22 terminal is selected and the discharge current is more than 0.25C, the threaded terminal of terminal F22 shall not be used in connection, but the lead pole shall be connected.



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(Note) All above information shall be changed without prior notice, Ritar reserves the right to explain and update the latest information.