



EV6-210(6V210Ah)



Specification

Cells Per Unit	3
Voltage Per Unit	6
Capacity	210Ah@20hr-rate to 1.75V per cell @25°C
Weight	Approx. 32.0 Kg (Tolerance ±2%)
Internal Resistance	Approx. 2.2 mΩ
Terminal	F12(M8)
Max. Discharge Current	2100A (5 sec)
Cold Cranking Ampere(CCA)	760A
Maximum Charging Current	63.0A
Reference Capacity	C3 162.6AH
	C5 184.5AH
	C10 200.0AH
	C20 210.0AH
Float Charging Voltage	6.80 V~6.90 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	7.30 V~7.40 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. Suitable for Electric Vehicle and Golf cart; Industrial equipment, Floor machines, Forklifts, Aerial lifts, and Robotics; Marine, RV, and no-idle solutions; Mobility and Medical equipment; and most outdoor application.



ISO 9001



ISO 14001



OHSAS 18001

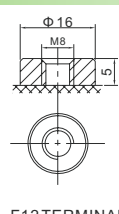
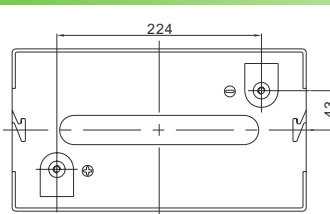
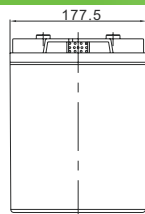
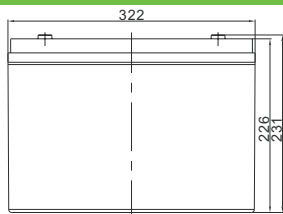


MH 28539



G4M20206-0910-E-16

Dimensions



F12 TERMINAL

Length	322±2mm (12.7 inches)
Width	177.5±2mm (6.99 inches)
Height	226±2mm (8.90 inches)
Total Height	231±2mm (9.09 inches)
Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m

Unit: mm

Constant Current Discharge Characteristics : A(25°C)

F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	209.0	127.3	76.1	57.9	46.0	38.9	25.8	21.4	10.9
1.65V	204.7	124.9	74.8	57.0	45.4	38.5	25.5	21.2	10.8
1.70V	198.9	121.7	73.1	55.8	44.6	37.8	25.1	20.9	10.7
1.75V	191.0	117.3	70.7	54.2	43.4	36.9	24.6	20.5	10.5
1.80V	180.1	111.4	67.5	52.0	41.8	35.7	23.9	20.0	10.2
1.85V	164.8	102.8	62.8	48.8	39.4	33.9	22.8	19.1	9.87

Constant Power Discharge Characteristics : WPC(25°C)

F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	380	238	144	111	88.4	75.1	50.4	42.1	21.5
1.65V	377	236	143	110	87.6	74.5	50.0	41.8	21.3
1.70V	369	231	140	108	86.2	73.4	49.3	41.2	21.1
1.75V	358	224	136	105	84.3	72.0	48.4	40.5	20.8
1.80V	341	213	130	101.0	81.4	69.8	47.0	39.4	20.3
1.85V	315	198	122	95.1	77.2	66.5	45.0	37.9	19.6

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



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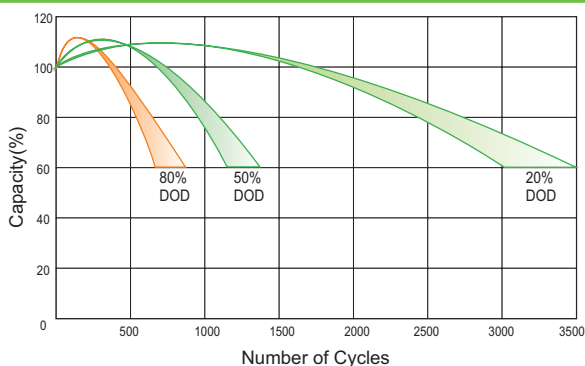
Charge Characteristic Curve for Cycle Use(IUUU)



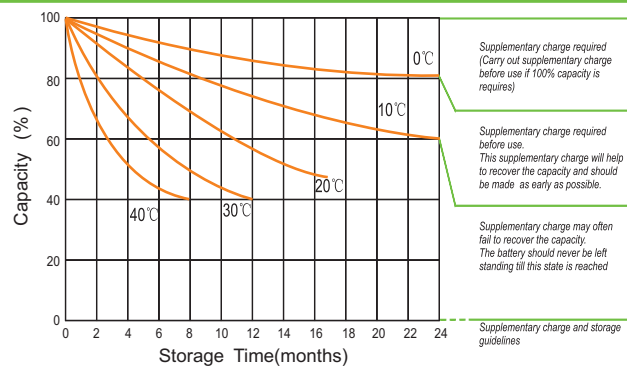
Charge Characteristic Curve For Cycle Use(III)



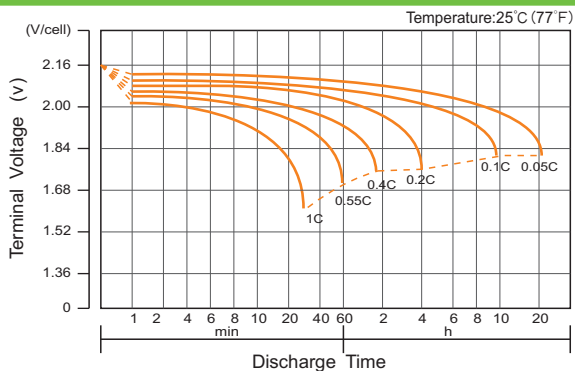
Cycle Life in Relation to Depth of Discharge



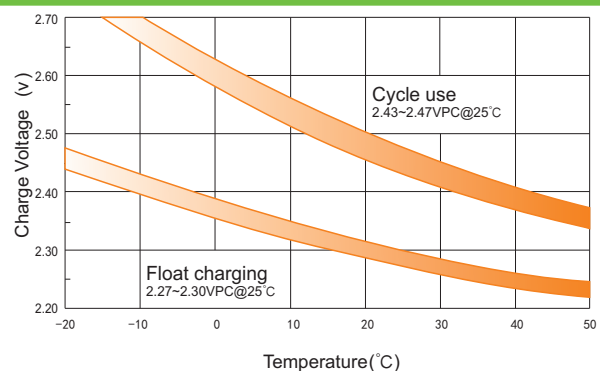
Storage Characteristics



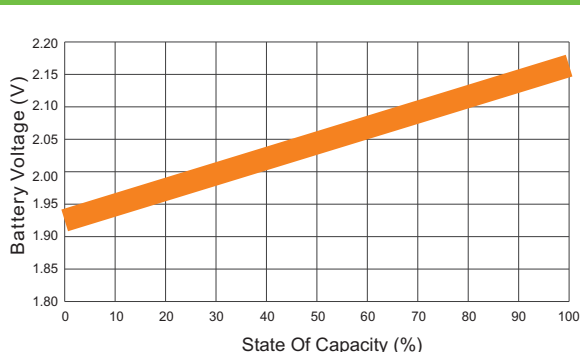
Discharge Characteristics Curve



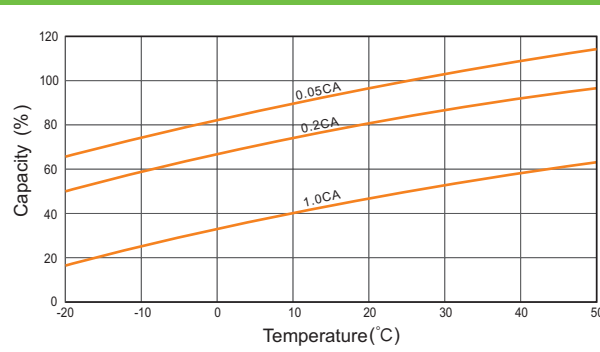
Relationship Between Charging Voltage and Temperature



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



Temperature Effects on Capacity



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