



EV6-225(6V225Ah)



Specification

Cells Per Unit	3
Voltage Per Unit	6
Capacity	225Ah@20hr-rate to 1.75V per cell @25°C
Weight	Approx. 32.0 Kg (Tolerance ±2%)
Internal Resistance	Approx. 2 mΩ
Terminal	F22(M8)/F14(M8)
Max. Discharge Current	2250A (5 sec)
Cold Cranking Ampere(CCA)	1035A
Maximum Charging Current	67.5 A
Reference Capacity	C3 174.3AH
	C5 198.0AH
	C10 214.0AH
	C20 226.0AH
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

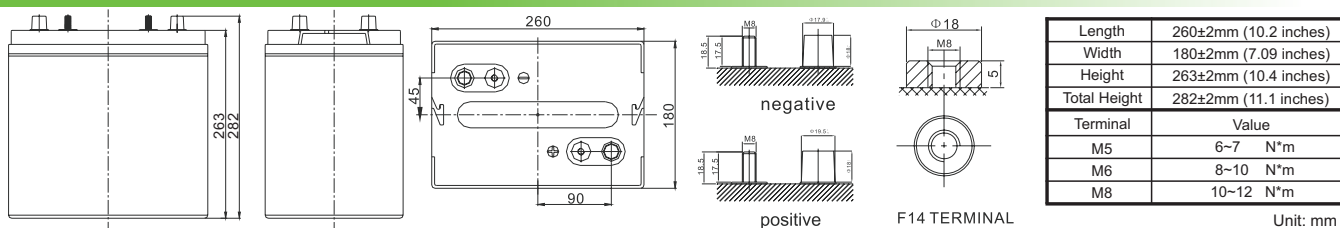


MH 28539



G4M20206-0910-E-16

Dimensions



Constant Current Discharge Characteristics : A(25°C)

F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	224.0	136.4	81.5	62.0	49.3	41.7	27.7	22.9	11.7
1.65V	219.3	133.8	80.1	61.1	48.6	41.2	27.3	22.7	11.6
1.70V	213.1	130.4	78.3	59.8	47.7	40.5	26.9	22.4	11.4
1.75V	204.6	125.7	75.8	58.1	46.5	39.6	26.4	22.0	11.3
1.80V	193.0	119.3	72.3	55.7	44.8	38.2	25.6	21.4	11.0
1.85V	176.6	110.2	67.3	52.2	42.3	36.3	24.4	20.5	10.6

Constant Power Discharge Characteristics : WPC(25°C)

F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	407	255	154	118	94.7	80.4	54.0	45.1	23.0
1.65V	404	253	153	117	93.9	79.8	53.6	44.7	22.9
1.70V	395	247	150	115	92.3	78.7	52.8	44.2	22.6
1.75V	383	240	146	112	90.3	77.1	51.8	43.4	22.2
1.80V	365	228	140	108	87.2	74.8	50.4	42.2	21.7
1.85V	337	212	131	102	82.7	71.3	48.2	40.6	21.0

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



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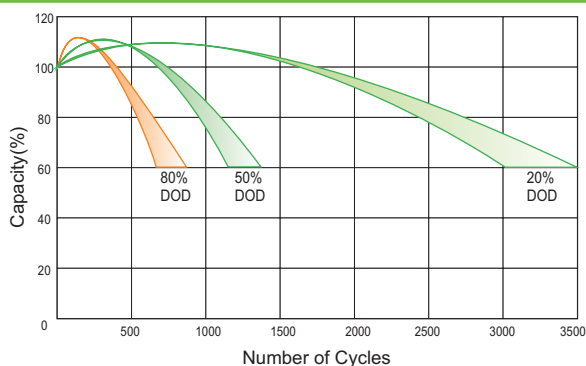
Charge Characteristic Curve for Cycle Use(IUUU)



Charge Characteristic Curve For Cycle Use(III)



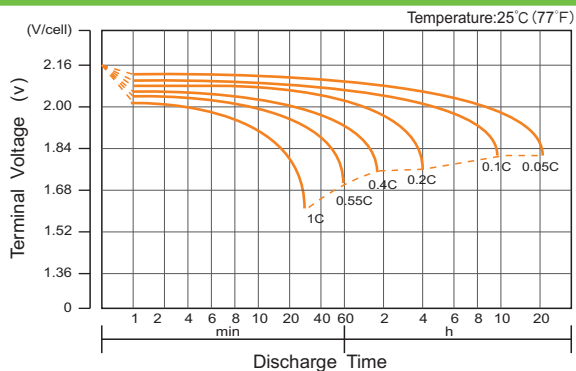
Cycle Life in Relation to Depth of Discharge



Storage Characteristics



Discharge Characteristics Curve



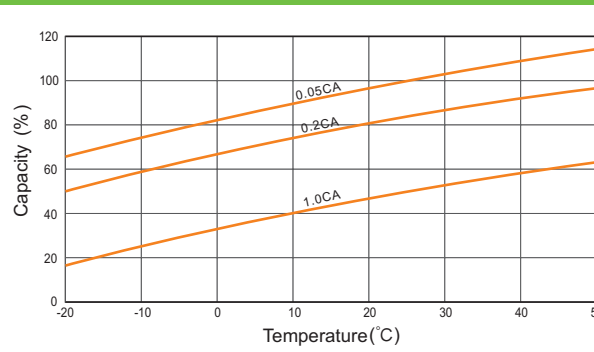
Relationship Between Charging Voltage and Temperature



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.