



# EV6-335(6V335Ah)



## Specification

Cells Per Unit	3
Voltage Per Unit	6
Capacity	335Ah@20hr-rate to 1.75V per cell @25°C
Weight	Approx. 48.0 Kg (Tolerance ± 1.5%)
Internal Resistance	Approx. 1.8 mΩ
Terminal	F22(M8)/F14(M8)
Max. Discharge Current	3350A (5 sec)
Cold Cranking Ampere(CCA)	870A
Maximum Charging Current	100 A
Reference Capacity	C3 259.5AH
	C5 285.0AH
	C10 318.0AH
	C20 336.0AH
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

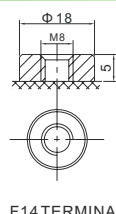
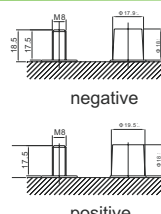
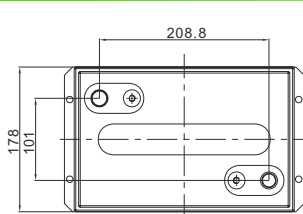
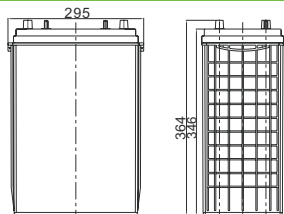


MH 28539



G4M20206-0910-E-16

## Dimensions



Length	295±2mm (11.6 inches)
Width	178±2mm (7.01 inches)
Height	346±2mm (13.8 inches)
Total Height	364±2mm (14.3 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	322.7	196.8	120.1	92.4	72.7	62.1	41.2	34.2	17.4
1.65V	315.9	193.1	118.1	90.9	71.7	61.4	40.7	33.8	17.3
1.70V	307.0	188.2	115.4	89.1	70.4	60.3	40.1	33.4	17.0
1.75V	294.8	181.5	111.7	86.5	68.5	58.9	39.3	32.7	16.8
1.80V	278.1	172.2	106.5	82.9	66.0	56.9	38.1	31.8	16.3
1.85V	254.4	159.0	99.2	77.8	62.3	54.1	36.3	30.5	15.7

### Constant Power Discharge Characteristics : WPC(25°C)

F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	586	368	228	176	140	120	80.4	67.1	34.3
1.65V	582	365	225	175	138	119	79.7	66.6	34.0
1.70V	569	357	221	172	136	117	78.7	65.7	33.6
1.75V	552	346	215	167	133	115	77.1	64.6	33.1
1.80V	526	330	206	161	129	111	75.0	62.9	32.3
1.85V	486	307	193	152	122	106	71.8	60.4	31.2

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



**EV6-335(6V335Ah)**



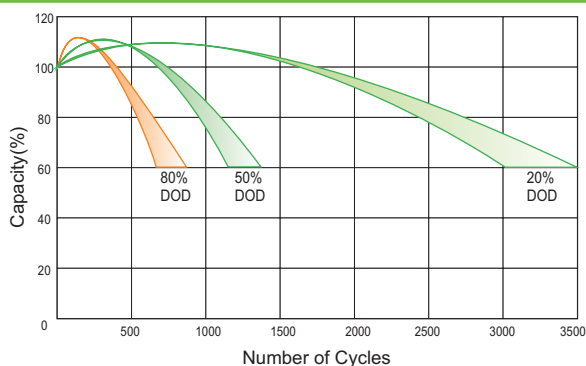
**Charge Characteristic Curve for Cycle Use(IIUU)**



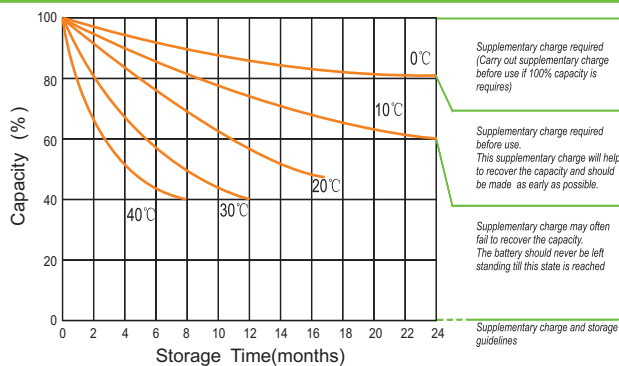
**Charge Characteristic Curve For Cycle Use(III)**



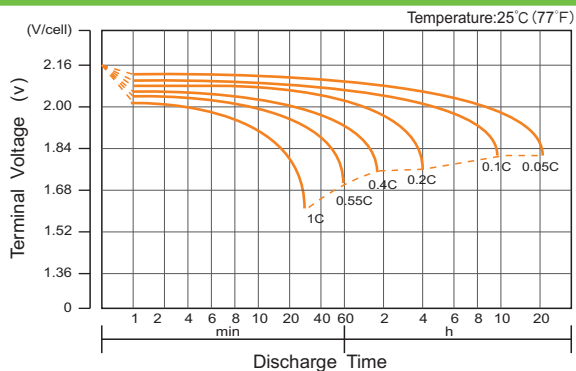
**Cycle Life in Relation to Depth of Discharge**



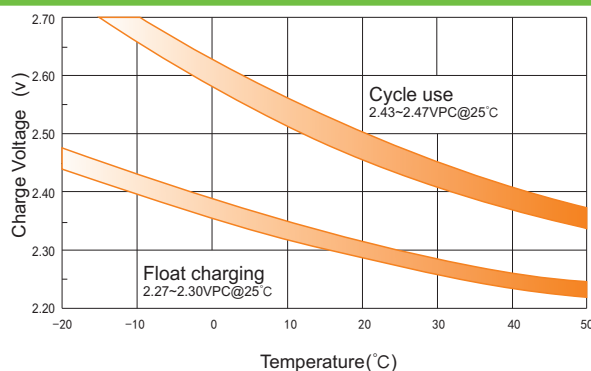
**Storage Characteristics**



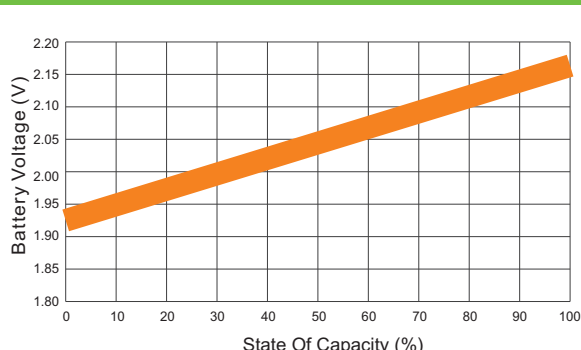
**Discharge Characteristics Curve**



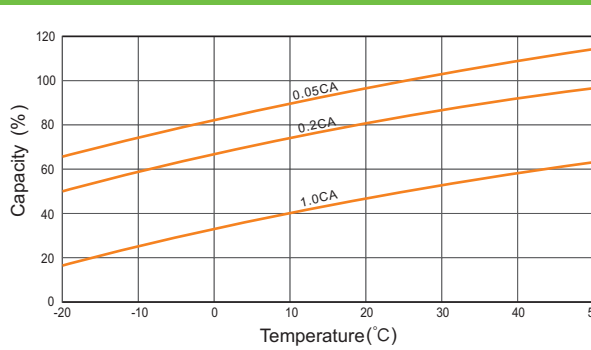
**Relationship Between Charging Voltage and Temperature**



**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.