



FUSION CYCLIC BATTERY

EV(Electric Vehicle)series Batteries

EV6-225

Specification

Cells Per Unit	3
Voltage Per Unit	6
Capacity	225Ah@20hr-rate to 1.75V per cell @25°C
Weight	Approx. 31.5 Kg (Tolerance±3.0%)
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 164.4AH
	C5 185.5AH
	C10 212.0AH
	C20 225.0AH
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	Fusion EV series 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

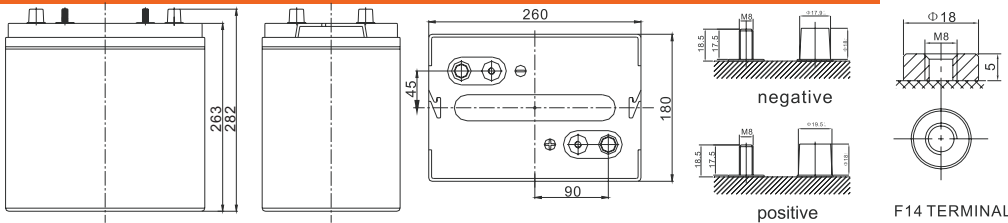


MH 28539



G4M20206-0910-E-16

Dimensions



Length	260±2mm (10.2 inches)
Width	180±2mm (7.09 inches)
Height	263±2mm (10.4 inches)
Total Height	282±2mm (11.1 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	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	385.1	234.8	131.0	77.4	59.9	47.1	40.1	26.9	22.4	11.71
1.65V	368.2	225.4	126.5	74.9	58.1	45.8	39.1	26.6	22.1	11.53
1.70V	344.9	215.4	122.4	72.4	56.5	44.6	38.0	26.2	21.8	11.39
1.75V	320.9	205.9	117.9	69.9	54.8	43.4	37.1	25.9	21.5	11.25
1.80V	296.3	196.8	113.4	67.4	53.1	42.2	36.1	25.4	21.2	11.14
1.85V	245.9	169.5	101.7	61.7	49.1	39.2	33.7	23.9	20.0	10.58

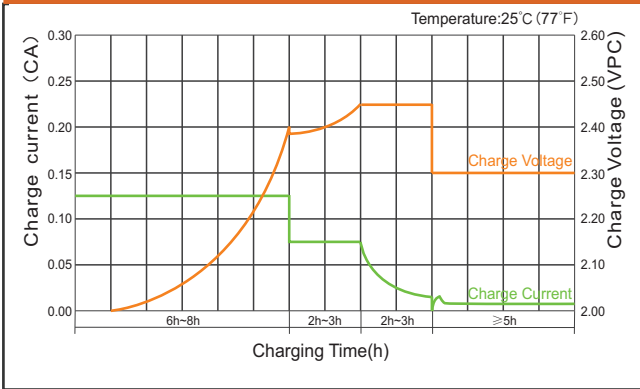
Constant Power Discharge Characteristics : WPC(25°C)

F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	673.3	426.4	246.2	146.6	114.5	90.4	77.3	52.6	44.0	23.1
1.65V	653.2	413.6	239.1	142.6	111.4	88.3	75.6	52.1	43.5	22.7
1.70V	621.0	399.3	232.8	138.7	108.9	86.2	73.8	51.5	42.9	22.5
1.75V	586.3	385.6	225.6	134.5	106.1	84.4	72.2	50.8	42.4	22.2
1.80V	549.0	372.3	218.3	130.3	103.2	82.2	70.6	50.1	41.9	22.0
1.85V	462.0	323.8	197.0	120.0	95.8	76.7	66.1	47.1	39.5	21.0

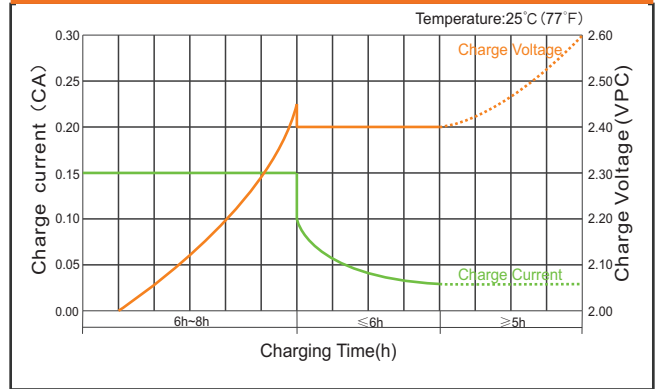
(Note) The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values.



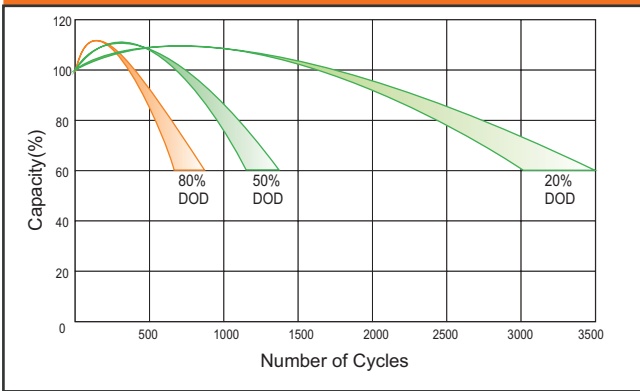
Charge Characteristic Curve for Cycle Use(IUUU)



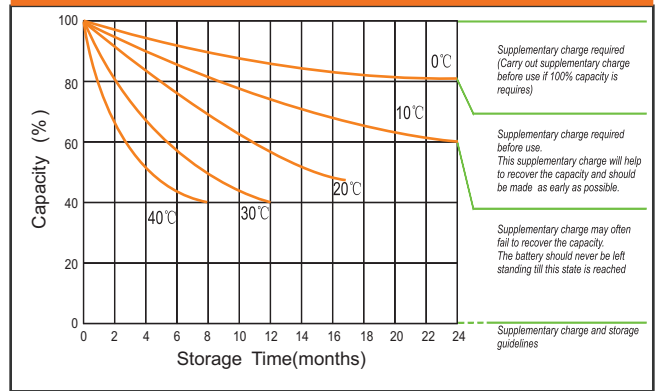
Charge Characteristic Curve For Cycle Use(IUI)



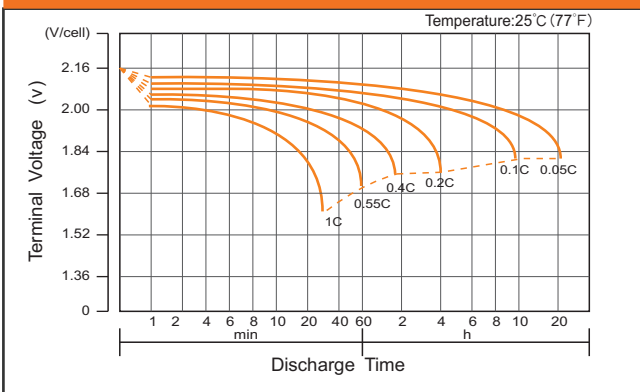
Cycle Life in Relation to Depth of Discharge



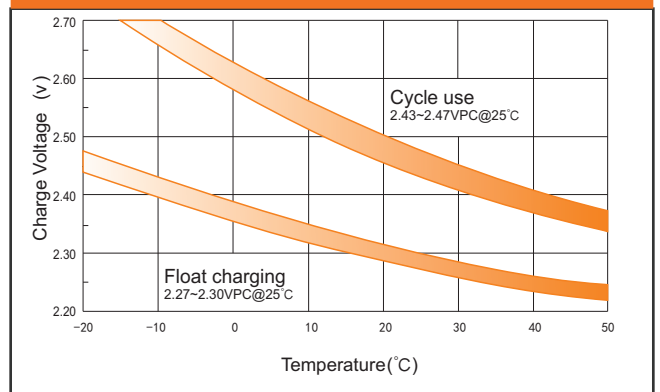
Storage Characteristics



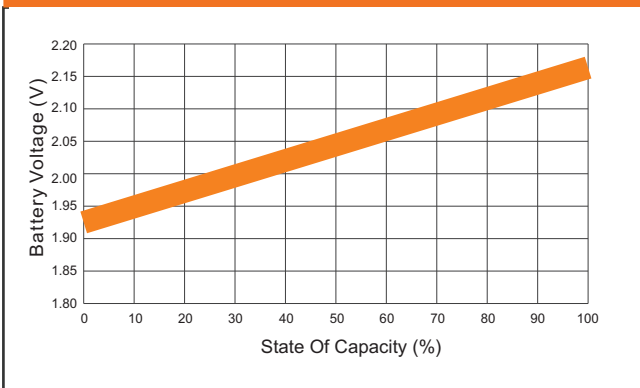
Discharge Characteristics Curve



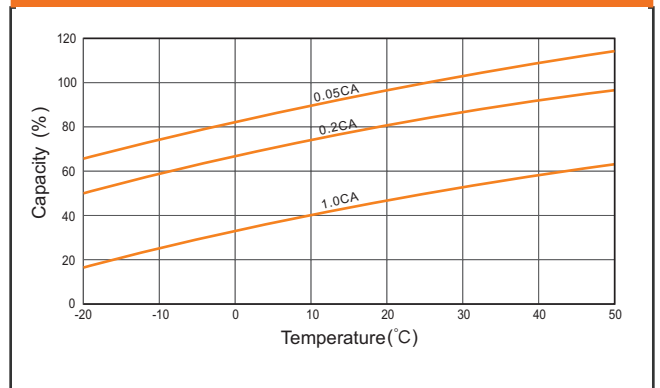
Relationship Between Charging Voltage and Temperature



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



Temperature Effects on Capacity



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

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