



Specification

BR-12V200EV

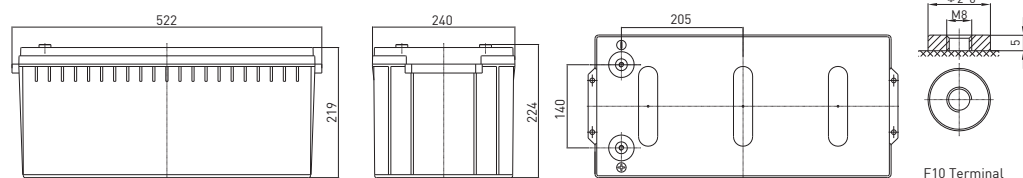
Cells Per Unit	6
Voltage Per Unit	12
Capacity	200Ah@10hr-rate to 1.80V per cell @25°C
Weight	Approx. 61.0 Kg (Tolerance±3.0%)
Internal Resistance	Approx. 3.8 mΩ
Terminal	F16(M8)/F10(M8)
Max. Discharge Current	2000A [5 sec]
Cold Cranking Ampere(CCA)	700A
Maxi. Charging Current	60.0A
Reference Capacity	C3 153.3AH C5 174.5AH C10 200.0AH C20 212.0AH
Float Charging Voltage	13.6 V~13.8 V @ 25°C Temperature Compensation: -3mV/°C/ Cell
Cycle Use Voltage	14.6 V~14.8 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	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.

The EV (Electric Vehicle) battery is specially designed for frequent discharge deep cycle application. By using the specially designed active material, strong grids and thick plate construction, the EV battery offers reliable performance in high load situations and could provide competitive cycle 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.



ISO 9001 ISO 14001 OHSAS 18001 MH 28539 G4M20206-0910-E-16

Dimensions



Length	522±2mm (20.6 inches)
Width	240±2mm (9.45 inches)
Height	219±2mm (8.62 inches)
Total Height	224±2mm (8.82 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)

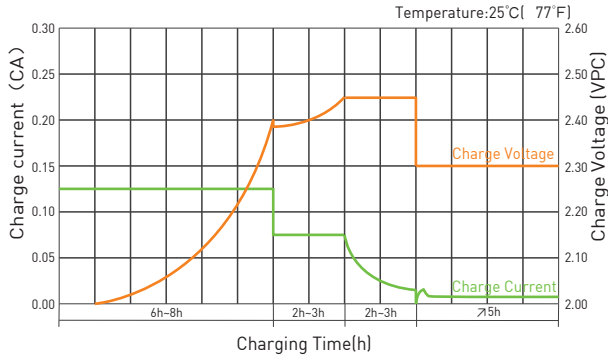
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	456.9	362.8	221.2	118.5	72.1	55.9	44.4	37.8	25.4	21.1	11.0
1.65V	431.7	328.6	193.0	114.4	69.8	54.2	43.2	36.8	25.1	20.8	10.9
1.70V	397.5	307.8	184.5	110.7	67.5	52.7	42.0	35.8	24.7	20.5	10.7
1.75V	363.8	286.4	176.3	106.7	65.2	51.1	40.9	34.9	24.4	20.3	10.6
1.80V	329.3	264.5	168.5	102.6	62.9	49.6	39.8	34.0	24.0	20.0	10.5
1.85V	269.2	219.5	145.2	92.0	57.6	45.8	37.0	31.7	22.5	18.8	10.0

Constant Power Discharge Characteristics : WPC(25°C)

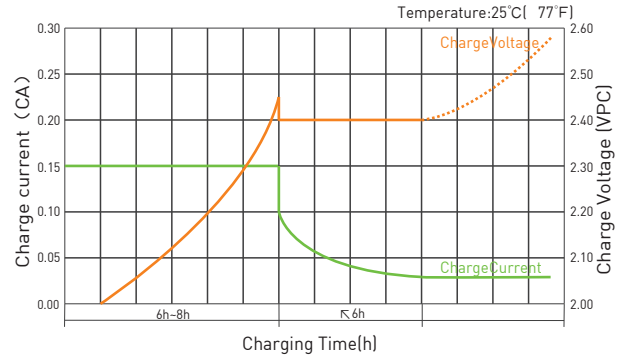
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	776.6	634.3	401.7	222.7	136.7	106.8	85.2	72.8	49.6	41.5	21.7
1.65V	748.0	583.0	354.3	216.3	133.0	103.9	83.2	71.2	49.1	41.0	21.4
1.70V	701.3	554.2	342.0	210.5	129.3	101.5	81.2	69.6	48.5	40.5	21.2
1.75V	653.5	523.3	330.3	204.1	125.4	98.9	79.5	68.1	47.9	40.0	21.0
1.80V	601.9	490.0	318.9	197.4	121.5	96.2	77.5	66.5	47.2	39.5	20.8
1.85V	500.6	412.4	277.3	178.1	112.0	89.4	72.3	62.3	44.4	37.3	19.7

EV12-200_(12V200Ah)

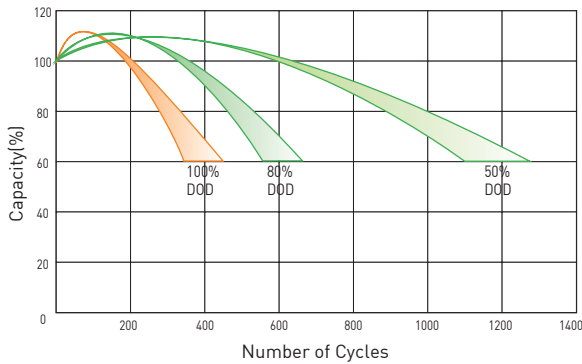
Charge Characteristic Curve for Cycle Use(IIUU)



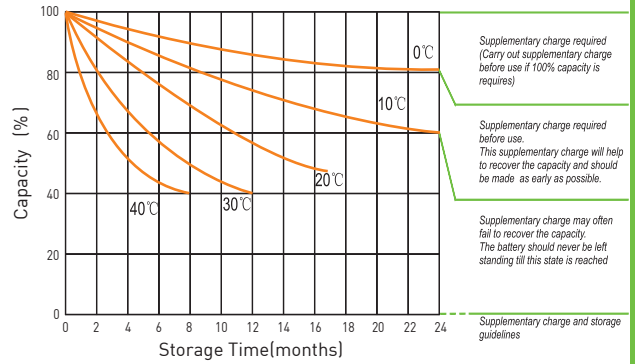
Charge Characteristic Curve For Cycle Use(IUI)



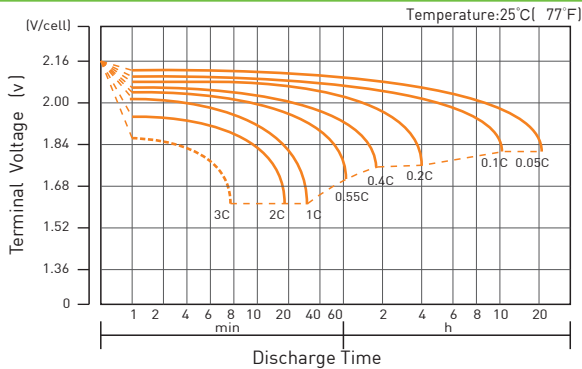
Cycle Life in Relation to Depth of Discharge



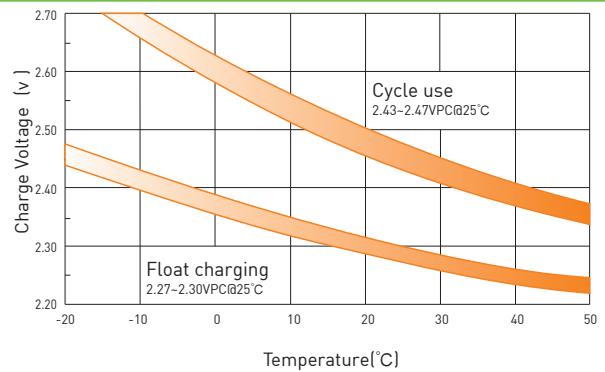
Storage Characteristics



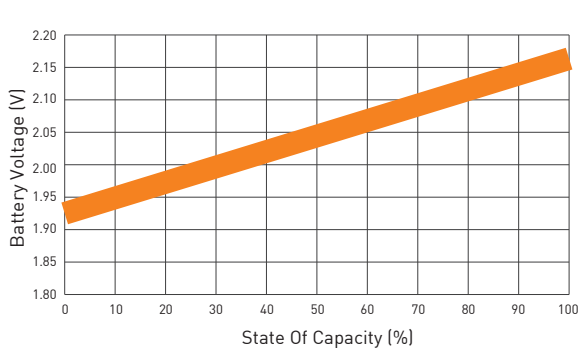
Discharge Characteristics Curve



Relationship Between Charging Voltage and Temperature



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



Temperature Effects on Capacity

