

# DC12-200A(12V200Ah)



## Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	200Ah@20hr-rate to 1.75V per cell @25°C
Weight	Approx. 56.0 Kg (Tolerance ±3.0%)
Internal Resistance	Approx. 3.9 mΩ
Terminal	F16(M8)/F10 (M8)
Max. Discharge Current	2000A (5 sec)
Design Life	12 years (floating charge)
Max. Charging Current	60.0 A
Reference Capacity	C3 152.9AH C5 172.3AH C10 190.5AH C20 200.0AH
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	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.



DC (Deep Cycle) series batteries provide superior high integrity and reliability. It is specially designed for frequent cyclic charge and discharging. By using strong grids, thick plate and specially active material are designed for repeated deep-discharge applications. The DC series batteries offer 30% more cyclic life than the standby series. It is suitable for solar and wind renewable energy storage, mobility and medical equipment and cable TV etc.



ISO 9001

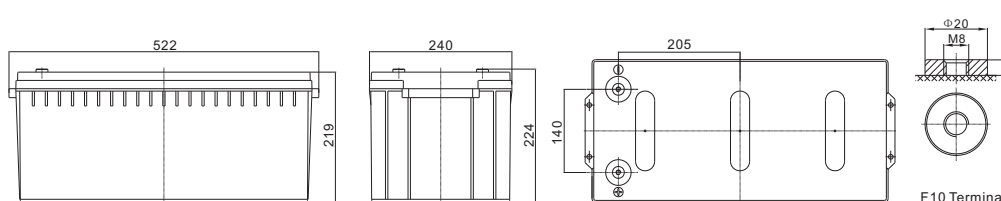
ISO 14001

OHSAS 18001



MH 28539

## 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

F10 Terminal

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	428.3	343.7	211.3	121.5	72.34	56.35	44.20	37.60	24.12	20.00	10.37
1.65V	394.5	321.4	200.2	117.3	69.92	54.62	42.88	36.42	23.93	19.81	10.31
1.70V	365.7	302.2	189.8	113.6	68.05	52.31	41.56	35.43	23.55	19.43	10.18
1.75V	335.5	283.1	182.3	110.0	65.44	50.96	40.42	34.45	23.17	19.24	10.00
1.80V	305.3	259.2	175.6	105.1	63.20	50.00	39.48	34.00	22.79	19.05	9.903
1.85V	238.9	214.5	148.9	93.83	57.80	46.54	37.02	31.30	21.46	17.90	9.811

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

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	729.3	599.5	384.0	228.0	136.8	107.0	85.19	71.17	47.00	39.22	20.69
1.65V	702.3	582.9	375.0	224.1	133.1	104.3	83.11	69.24	46.62	38.85	20.51
1.70V	655.5	551.7	356.9	217.6	129.8	100.3	80.47	67.51	46.06	38.09	20.32
1.75V	609.9	520.7	344.4	211.5	125.1	97.86	78.58	65.97	45.30	37.71	19.95
1.80V	562.0	481.4	333.3	202.9	122.3	97.31	77.07	65.09	44.55	37.34	19.77
1.85V	445.8	404.4	285.8	182.2	112.6	90.77	72.53	60.20	42.11	35.26	19.58

(Note) The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values. The battery must be fully charged before the capacity test. The C<sub>20</sub> should reach 95% after the first cycle and 100% after the third cycle.

