



# HT12-200(12V200Ah)

## Specification

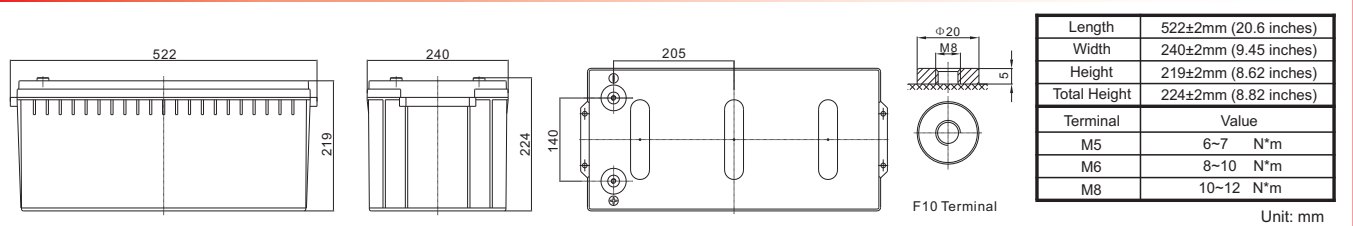
Cells Per Unit	6
Voltage Per Unit	12
Nominal Capacity	200Ah@10hour-rate to 1.80V per cell @25°C
Weight	Approx. 63.0 Kg (Tolerance ±2.0%)
Internal Resistance	Approx. 4.0 mΩ
Terminal	F16(M8)/F10(M8)
Max. Discharge Current	2000A (5 sec)
Design Life	15 years (Float charging)
Recommended Maximum Charging Current	60 A
Reference Capacity	C3 150.6AH C5 173.5AH C10 200.0AH C20 212.0AH
Standby Use 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: -10°C~60°C Storage: -20°C~60°C
Normal Operating Temperature Range	35°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 charge batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



HT series is High-temperature series battery with 15 years design life in float service. It meets with IEC, JIS, BS and YDT standards. With advanced AGM valve regulated technology and high purity raw material, the HT series battery maintains high consistency for better performance and reliable standby service life. It is designed for using under high temperature conditions.



## Dimensions



### Constant Current Discharge Characteristics : A (25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	420.1	341.0	207.7	121.9	73.0	53.1	43.1	36.4	24.6	21.3	10.9
1.65V	407.5	332.0	203.2	119.7	72.0	52.4	42.6	36.0	24.3	21.1	10.8
1.70V	391.1	320.3	197.1	116.7	70.5	51.4	41.9	35.4	24.0	20.8	10.7
1.75V	369.9	305.0	189.3	112.7	68.7	50.2	40.9	34.7	23.5	20.5	10.6
1.80V	342.7	285.3	179.0	107.6	66.2	48.5	39.7	33.7	23.0	20.0	10.4
1.85V	308.8	260.5	166.0	101.0	63.0	46.4	38.0	32.4	22.2	19.4	10.1

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

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	725	605	383	231	140	103	84.0	71.2	48.7	42.5	21.9
1.65V	722	602	380	229	139	102	83.4	70.7	48.4	42.2	21.7
1.70V	700	585	371	225	137	101	82.2	69.8	47.8	41.7	21.5
1.75V	674	566	360	218	134	99	80.6	68.6	47.0	41.0	21.2
1.80V	636	537	344	209	130	95.7	78.5	66.8	45.9	40.1	20.8
1.85V	583	497	322	198	124	91.9	75.5	64.5	44.5	38.9	20.3

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

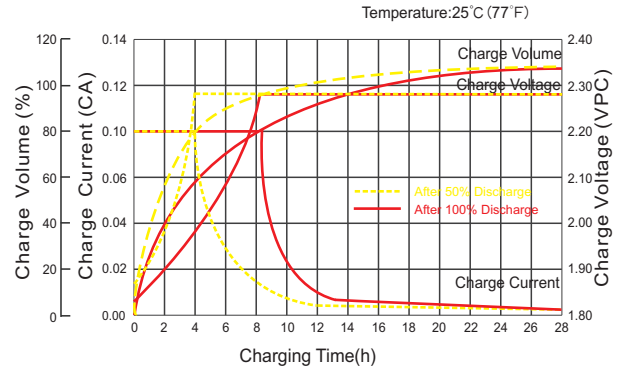
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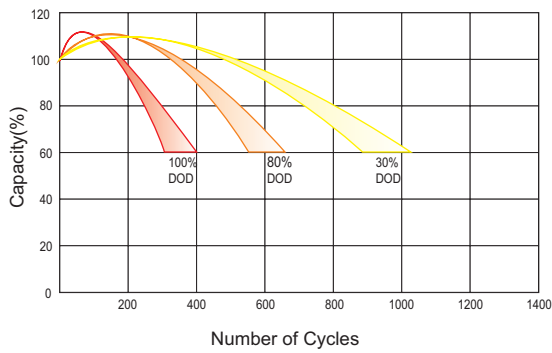
## Discharge Characteristics Curve



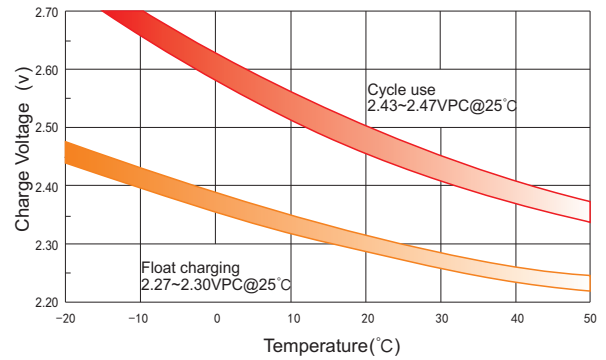
## Charge Characteristic Curve For Standby Use



## Cycle Life In Relation To Depth Of Discharge



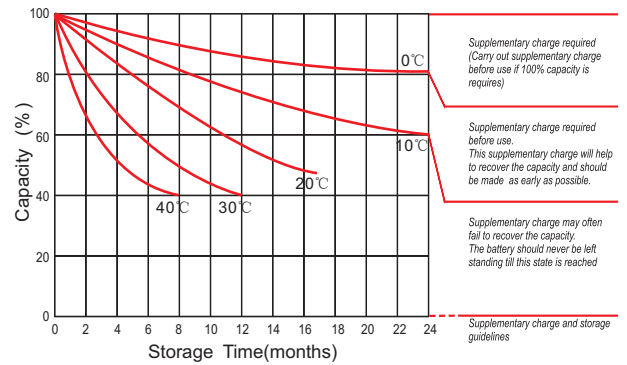
## Relationship Between Charging Voltage And Temperature



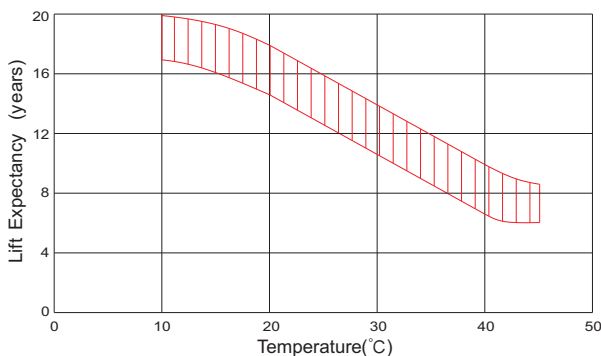
## Temperature Effects On Capacity



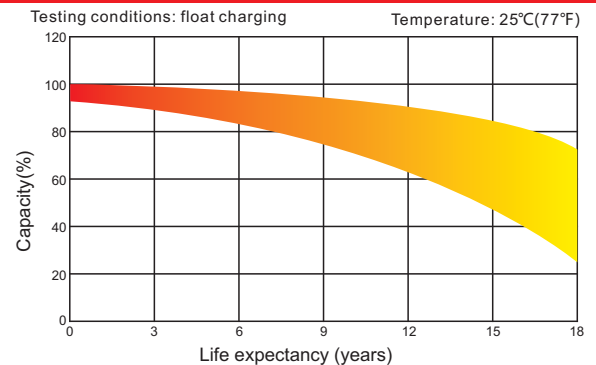
## Storage Characteristics



## Effect Of Temperature On Long Term Life



## Life Characteristics Of Standby Use



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