

## Specifications

Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	200 Ah
	5HR(10.5V)	175Ah
	1HR(9.60V)	124Ah
Dimension	Length	522±2mm (20.55inch)
	Width	238±2mm (9.37inch)
	Height	218±2mm (8.58inch)
	Total Height	T5: 238±2mm (9.37inch) T11: 221±2mm (8.70inch)
Approx. Weight		57.5kg (133lbs)±3%
Terminal type		T5/T11
Internal resistance (Fully charged, 25°C)		Approx. 3 mΩ
Capacity affected by temperature (10HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature		25°C±3°C(77°F±5°F)
Operating temperature range	Discharge	-15°C~50°C(5°F~122°F)
	Charge	-10°C~50°C(14°F~122°F)
	Storage	-20°C~50°C(-4°F~122°F)
Float charging voltage(25°C)		13.50 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.50 to 14.90V Temperature compensation: -30mV/°C
Maximum charging current		60A
Terminal material		Copper
Maximum discharge current		1600A(5 sec.)
Designed floating life(20°C)		10~15 years

- ◆ Absorbent glass mat technology;
- ◆ Recognized by UL & CE;
- ◆ ABS container.

## Constant Current Discharge Character

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	440	346.17	208.76	122.49	73.43	54.43	44.18	37.31	24.98	21.3	10.9
1.65V	426.87	337.11	204.18	120.3	72.34	53.73	43.68	36.92	24.68	21.1	10.8
1.70V	409.65	325.17	198.11	117.21	70.95	52.74	42.99	36.32	24.38	20.8	10.7
1.75V	387.36	309.65	190.25	113.33	69.05	51.44	41.99	35.52	23.88	20.5	10.6
1.80V	359	289.75	179.9	108.16	66.57	49.75	40.7	34.53	23.28	20	10.4

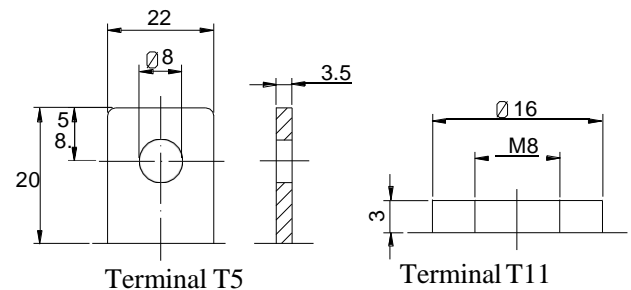
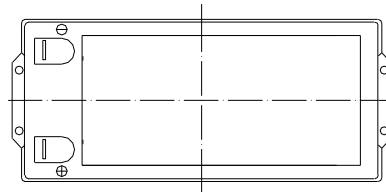
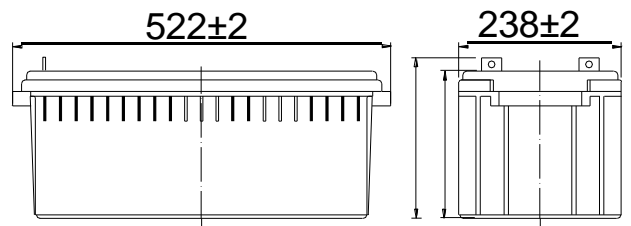
## Constant Power Discharge Characteristics (Watt, 25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	759.2	613.93	385.07	232.84	141.29	105.47	86.17	73.03	49.45	42.5	21.9
1.65V	756.22	610.95	382.09	230.85	140.3	104.48	85.57	72.54	49.05	42.2	21.7
1.70V	733.33	594.03	373.13	225.87	138.31	103.48	84.28	71.54	48.46	41.7	21.5
1.75V	706.47	574.13	361.19	218.91	134.33	101.49	82.69	70.35	47.66	41	21.2
1.80V	665.67	544.28	345.27	209.95	130.35	98.21	80.5	68.56	46.67	40.1	20.8

12V Voltage    200Ah Capacity    15years Design Life



## Dimensions

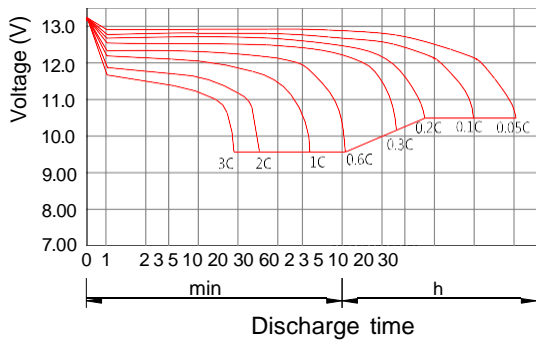


## Terminal

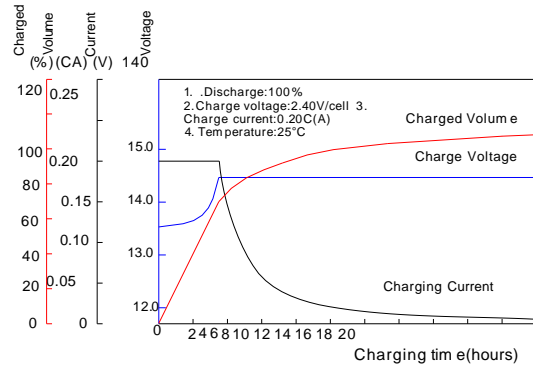


# RTS12-200(12V 200Ah)

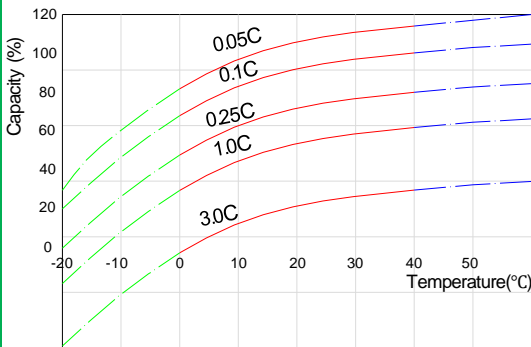
## Discharge Characteristics(25°C)



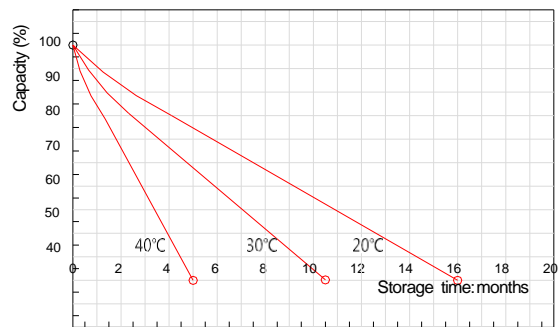
## Charging Characteristics(25°C)



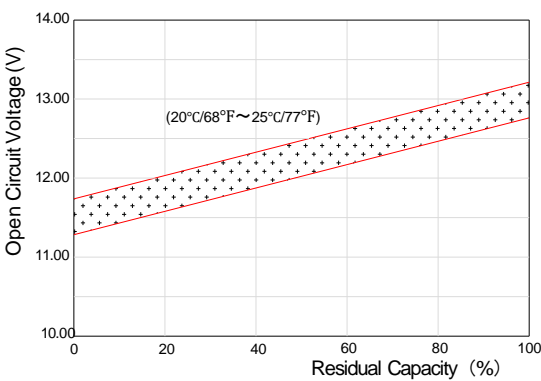
## Effect of Temperature on Capacity



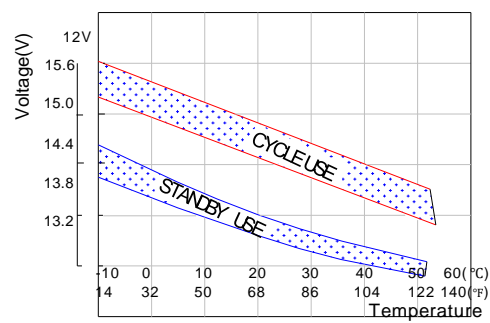
## Self-discharge Characteristics



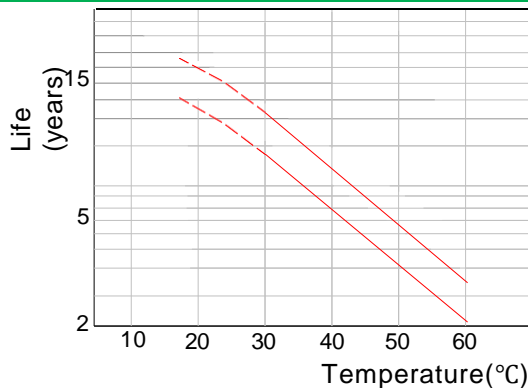
## The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



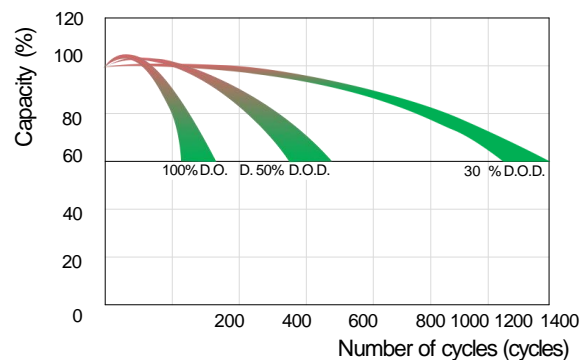
## The Relationship for Charging Voltage and Temperature



## Floating Life on Temperature



## Cycle Life on D.O.D(25°C)



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