

Specifications

Nominal Voltage		12 V
Capacity (25℃)	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		56.3kg ± 4%
Terminal type		T5/T11
Internal resistance (Fully charged, 25℃)		Approx. 3m Ω
Capacity affected by temperature (10HR)	40℃	102%
	25℃	100%
	0℃	85%
	-15℃	65%
Self-discharge (25℃)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature		25℃±3℃(77°F±5°F)
Operating temperature range	Discharge	-15℃～50℃(5°F～122°F)
	Charge	-10℃～50℃(14°F～122°F)
	Storage	-20℃～50℃(-4°F～122°F)
Float charging voltage(25℃)		13.50 to 13.80V Temperature compensation: -18mV/℃
Cyclic charging voltage(25℃)		14.50 to 14.90V Temperature compensation: -30mV/℃
Maximum charging current		60A
Terminal material		Copper
Maximum discharge current		1600A(5 sec.)
Designed floating life(20℃)		10~15 years

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

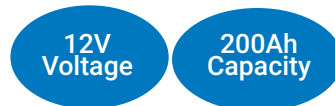
Constant Current Discharge Characteristics (A, 25°C)

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

Note: The above characteristics data can be obtained within three charge/discharge cycles.



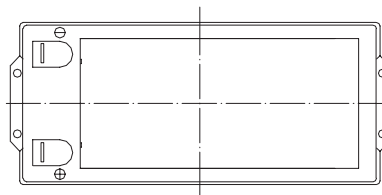
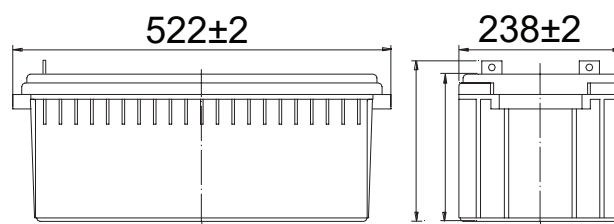
ISO9001



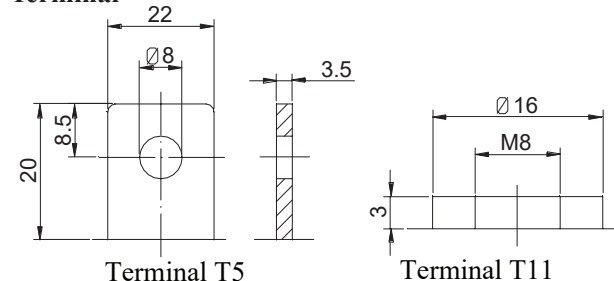
ISO14001



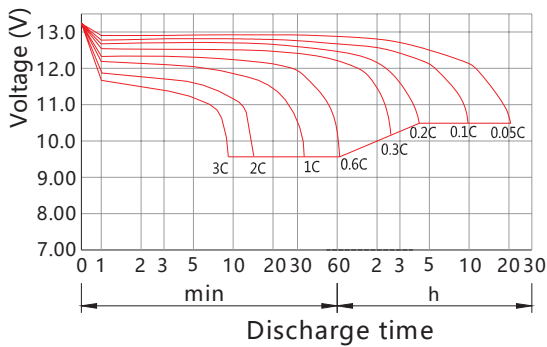
Dimensions



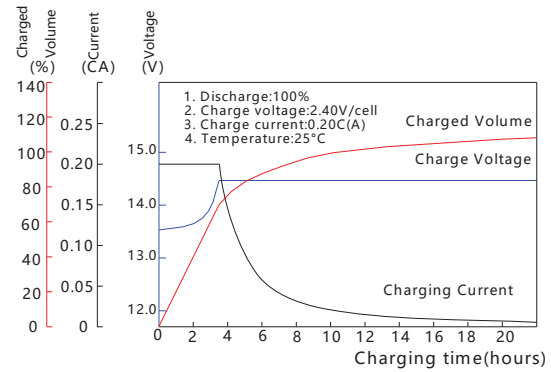
Terminal



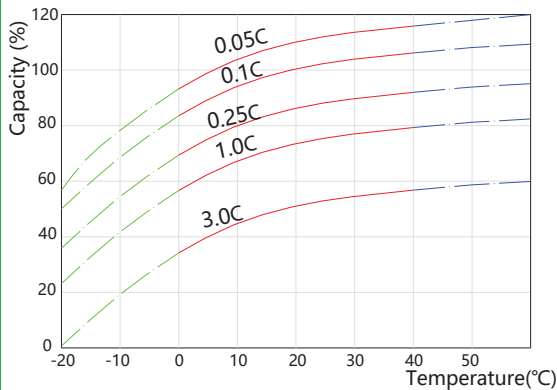
Discharge Characteristics(25°C)



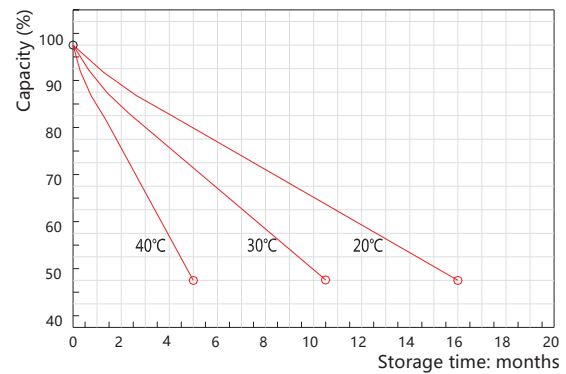
Charging Characteristics(25°C)



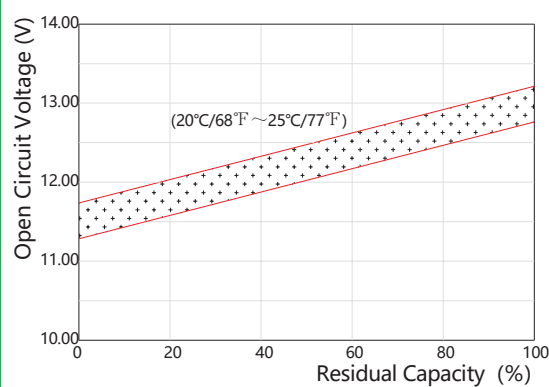
Effect of Temperature on Capacity



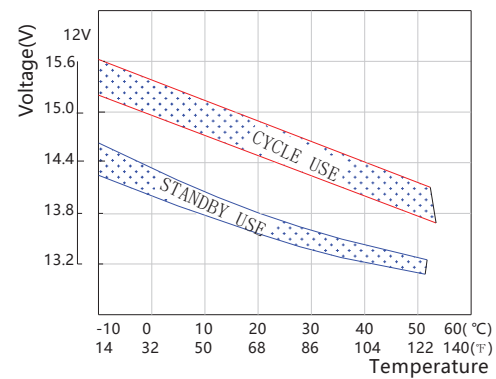
Self-discharge Characteristics



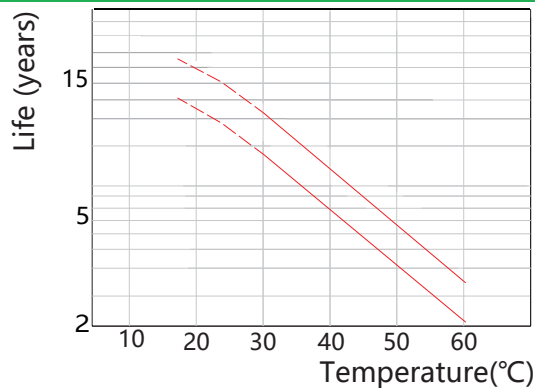
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D.(25°C)

