

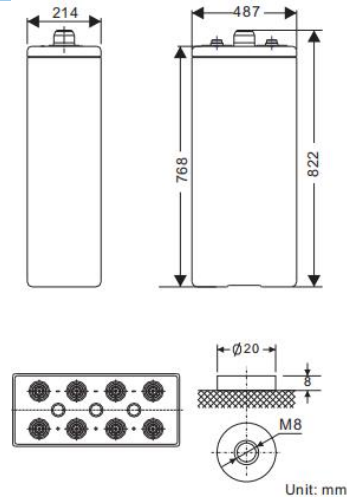
Main Advantages

- ▶ Adopt tubular positive plate
- ▶ Longest lifespan under deep discharge
- ▶ Strong temperature resistance performance
- ▶ Better charge reception capability
- ▶ 20 years design life



Specification	
Rated Voltage	2V
Nominal Capacity(C10,1.80V/cell)	2500Ah (250A to 1.80V @25°C)
Terminal	M8 Φ=20
Approx. Weight	Approx. 180Kg (dry cell: 130Kg)
Container Material	SAN transparent container
Max. Discharge Current	16000A (5 sec)
Internal resistance(25°C)	Approx 0.12 mΩ (fully charged)
Operating temperature range	Discharge : -20°C~55°C Charge : -10°C~45°C Storage : -15°C~45°C
Self discharge	≤3%/month @ 25°C
Design life	20 years (floating design)
Cycle use	
Charging current	≤625A
Voltage	2.35-2.40V/cell
Temperature compensation	-5mV/ °C
Standby use	
Charging current	No limit
Voltage	2.23V/cell
Temperature compensation	-3mV/ °C

Dimension:487(L)×214(W) ×768(H)×822(TH) Unit: mm



Rated Capacity(25°C)	
120 Hour Rate (27.85A to 1.85V)	3342Ah
20 Hour Rate (138.3A to 1.8V)	2766Ah
10 Hour Rate (250.8A to 1.8V)	2508Ah
5 Hour Rate (427.0A to 1.75V)	2135Ah
1 Hour Rate (1442A to 1.60V)	1442Ah

Constant Current Discharge Characteristics: A (25°C)

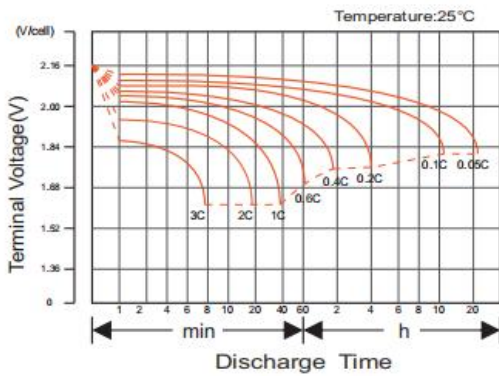
F.V /Time	30 min	1h	2h	3h	4h	5h	6h	8h	10h	24h	48h
1.60V	2106	1442	899	648	517	445	394	318.8	265.3	118.00	65.25
1.65V	2036	1409	882	638	512	441	389	316.5	263.8	118.00	64.75
1.70V	1951	1367	860	629	505	434	383	312.8	262.5	116.75	64.25
1.75V	1879	1326	838	614	495	427	375	307.0	258.8	114.75	63.50
1.80V	1719	1263	807	602	485	417	366	299.3	250.8	112.00	62.25
1.85V	1525	1173	763	582	470	404	353	290.8	247.5	108.50	59.25
1.95V	1234	938	665	519	438	376	326	263.8	222.5	99.50	55.50

Constant Power Discharge Characteristics: W (25°C)

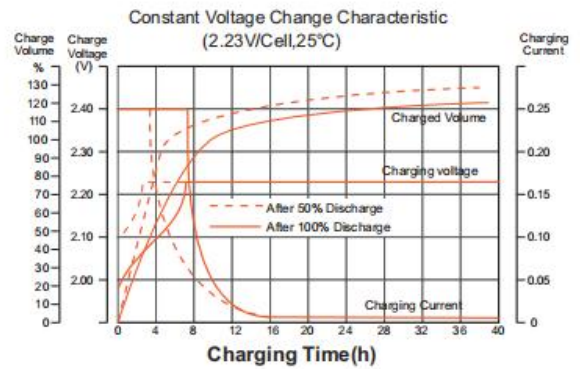
F.V/Time	30 min	1h	2h	3h	4h	5h	6h	8h	10h	24h	48h
1.60V	3840	2658	1660	1200	958	825	730	592.8	493.0	220.25	123.75
1.65V	3748	2600	1625	1183	948	818	720	588.3	491.0	219.75	123.25
1.70V	3600	2525	1590	1168	938	805	710	580.5	488.3	217.25	122.25
1.75V	3475	2465	1558	1143	923	795	700	572.8	483.8	215.50	121.75
1.80V	3208	2378	1520	1135	918	790	693	568.3	473.0	212.75	120.50
1.85V	2900	2225	1455	1113	900	775	678	558.0	475.3	210.25	117.00
1.95V	2433	1850	1315	1028	868	745	648	523.5	443.3	200.75	113.75

Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

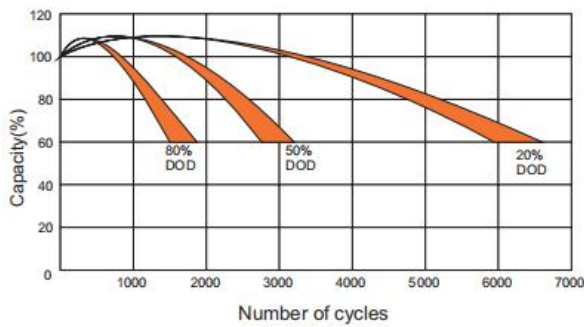
Discharge Characteristics Curve



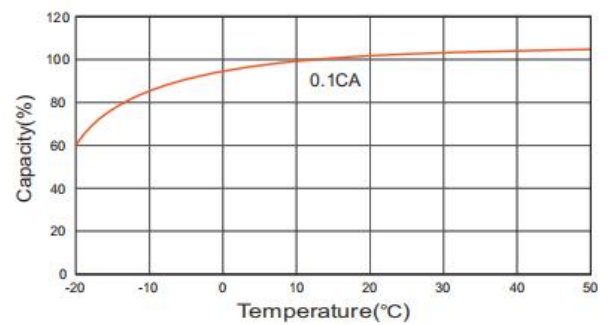
Charging Characteristics Curve



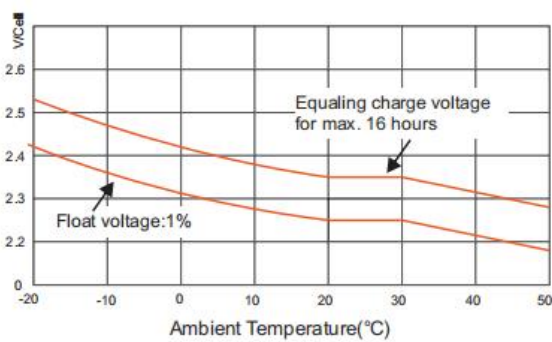
Cycle life of Different DOD



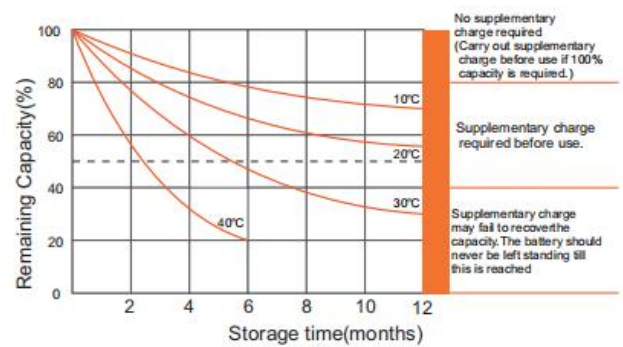
Temperature effects on capacity



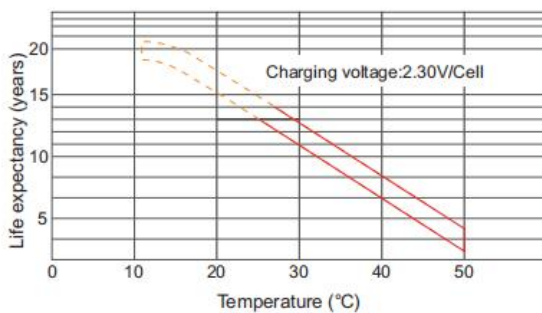
Charging voltage and temperature relationship



Self discharge Characteristics



Temperature effects on floating life



Life characteristics of standby use

