

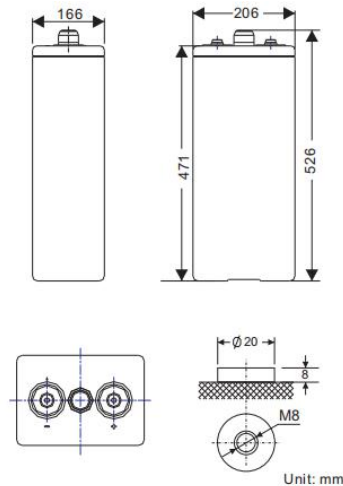
### Main Advantages

- ▶ 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)	500Ah (50A to 1.80V @25°C)
Terminal	M8 Φ=20
Approx. Weight	Approx. 38Kg (dry cell: 26.2Kg)
Container Material	SAN transparent container
Max. Discharge Current	4750A ( 5 sec)
Internal resistance(25°C)	Approx 0.42 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	≤125A
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:166(L)×206(W) ×471(H)×526(TH) Unit: mm



Rated Capacity(25°C)	
120 Hour Rate (5.60A to 1.85V)	672.0Ah
20 Hour Rate (29.37A to 1.8V)	587.4Ah
10 Hour Rate (50 to 1.8V)	500Ah
5 Hour Rate (83A to 1.75V)	415.0Ah
1 Hour Rate (286.8A to 1.60V)	286.8Ah

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

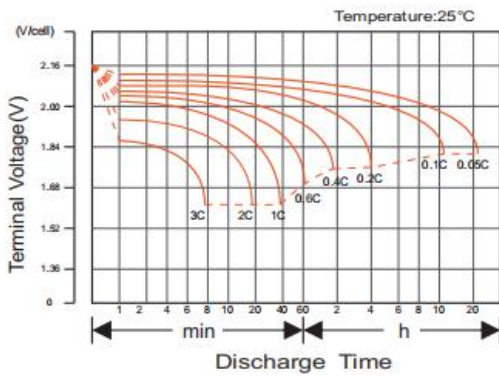
F.V/Time	30 min	1h	2h	3h	4h	5h	6h	8h	10h	24h	48h
1.60V	413	283	176	127	101	87	77	62.5	52.0	23.13	12.79
1.65V	399	276	173	125	100	86	76	62.0	51.7	23.13	12.69
1.70V	382	268	169	123	99	85	75	61.3	51.5	22.88	12.59
1.75V	368	260	164	120	97	84	74	60.2	50.7	22.49	12.45
1.80V	337	248	158	118	95	82	72	58.7	49.1	21.95	12.20
1.85V	299	230	149	114	92	79	69	57.0	48.5	21.27	11.61
1.95V	242	184	130	102	86	74	64	51.7	43.6	19.50	10.88

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

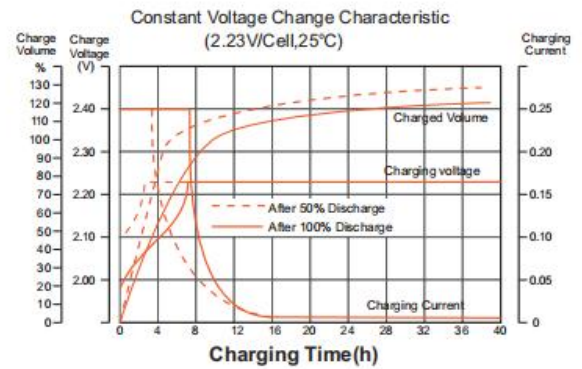
F.V/Time	30 min	1h	2h	3h	4h	5h	6h	8h	10h	24h	48h
1.60V	753	521	325	235	188	162	143	116.2	96.6	43.17	24.26
1.65V	735	510	319	232	186	160	141	115.3	96.2	43.07	24.16
1.70V	706	495	312	229	184	158	139	113.8	95.7	42.58	23.96
1.75V	681	483	305	224	181	156	137	112.3	94.8	42.24	23.86
1.80V	629	466	298	222	180	155	136	111.4	92.7	41.70	23.62
1.85V	568	436	285	218	176	152	133	109.4	93.1	41.21	22.93
1.95V	477	363	258	201	170	146	127	102.6	86.9	39.35	22.30

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.

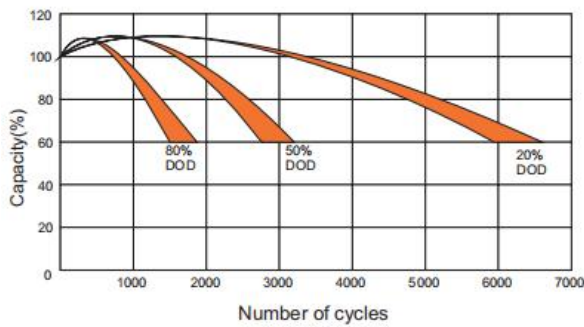
### Discharge Characteristics Curve



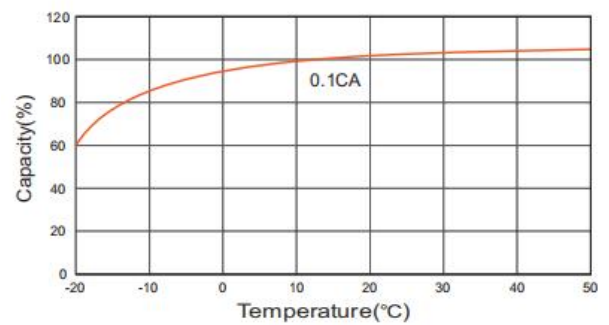
### Charging Characteristics Curve



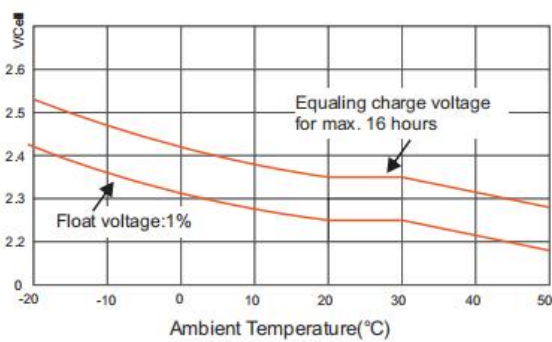
### Cycle life of Different DOD



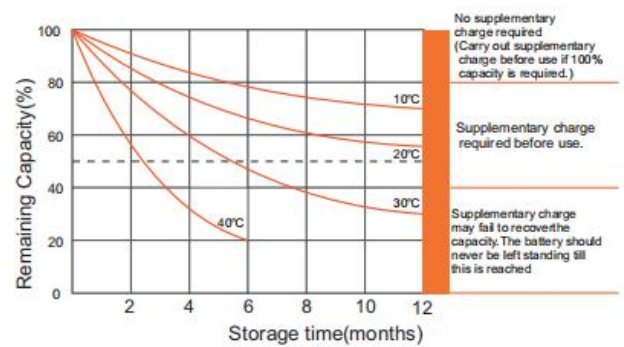
### Temperature effects on capacity



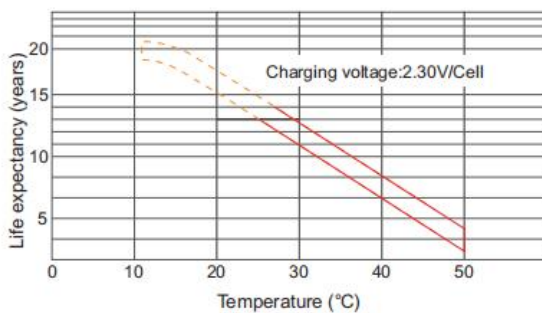
### Charging voltage and temperature relationship



### Self discharge Characteristics



### Temperature effects on floating life



### Life characteristics of standby use

