

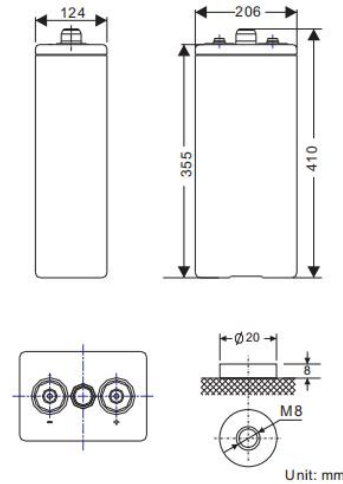
### Main Advantages

- ▶ 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)	250Ah (25A to 1.80V @25°C)
Terminal	M8 Φ=20
Approx. Weight	Approx. 20.5Kg (dry cell: 15.1Kg)
Container Material	SAN transparent container
Max. Discharge Current	3000A ( 5 sec)
Internal resistance(25°C)	Approx 0.7 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	≤62.5A
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:124(L)×206(W) ×355(H)×410(TH) Unit: mm



Rated Capacity(25°C)	
120 Hour Rate (2.958A to 1.85V)	354.96Ah
20 Hour Rate (15.51A to 1.8V)	310.2Ah
10 Hour Rate (26.41A to 1.8V)	264.1Ah
5 Hour Rate (45.1A to 1.75V)	225.5Ah
1 Hour Rate (151.5A to 1.60V)	151.5Ah

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

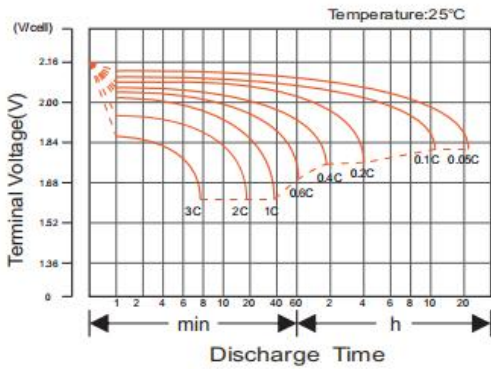
F.V./Time	30 min	1h	2h	3h	4h	5h	6h	8h	10h	24h	48h
1.60V	211	144	90	65	52	45	39	31.9	26.5	11.80	6.53
1.65V	204	141	88	64	51	44	39	31.7	26.4	11.80	6.48
1.70V	195	137	86	63	50	43	38	31.3	26.3	11.68	6.43
1.75V	188	133	84	61	49	43	38	30.7	25.9	11.48	6.35
1.80V	172	126	81	60	48	42	37	29.9	25.1	11.20	6.23
1.85V	153	117	76	58	47	40	35	29.1	24.8	10.85	5.93
1.95V	123	94	67	52	44	38	33	26.4	22.3	9.95	5.55

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

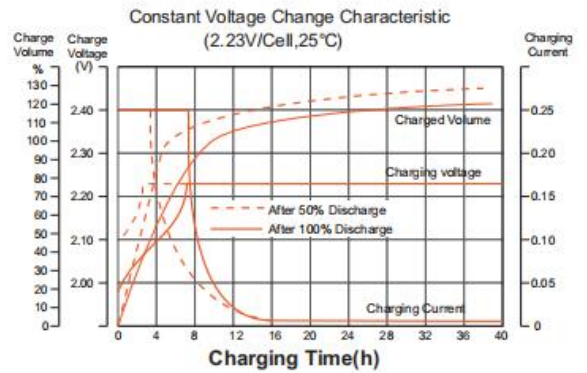
F.V./Time	30 min	1h	2h	3h	4h	5h	6h	8h	10h	24h	48h
1.60V	384	266	166	120	96	83	73	59.3	49.3	22.03	12.38
1.65V	375	260	163	118	95	82	72	58.8	49.1	21.98	12.33
1.70V	360	253	159	117	94	81	71	58.1	48.8	21.73	12.23
1.75V	348	247	156	114	92	80	70	57.3	48.4	21.55	12.18
1.80V	321	238	152	114	92	79	69	56.8	47.3	21.28	12.05
1.85V	290	223	146	111	90	78	68	55.8	47.5	21.03	11.70
1.95V	243	185	132	103	87	75	65	52.4	44.3	20.08	11.38

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.

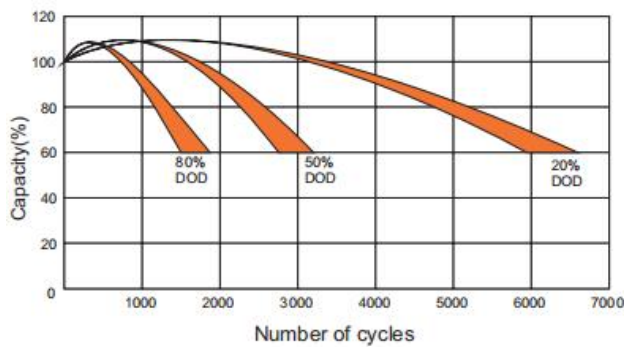
### Discharge Characteristics Curve



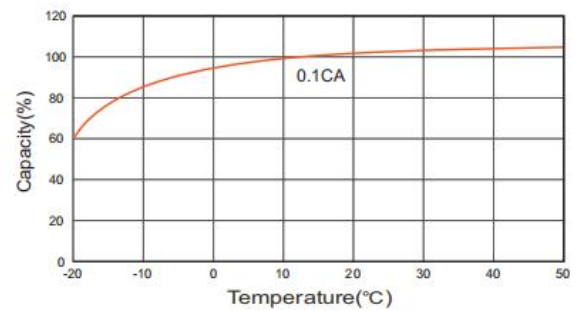
### Charging Characteristics Curve



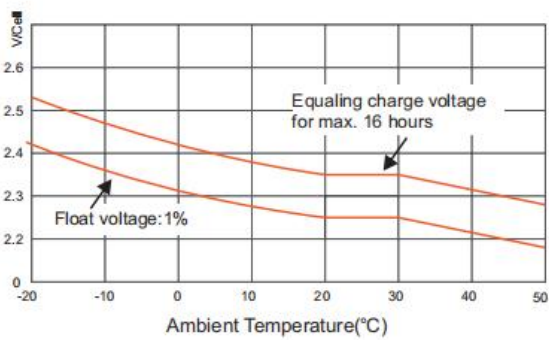
### Cycle life of Different DOD



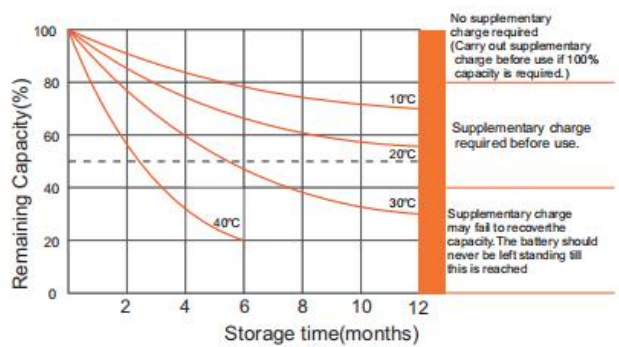
### Temperature effects on capacity



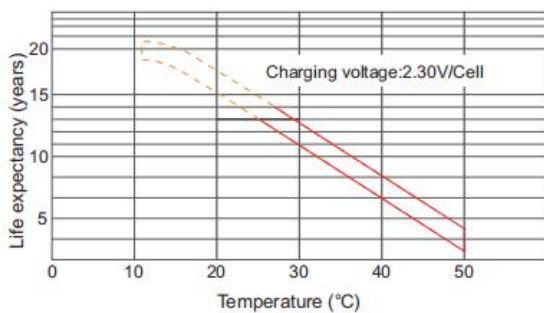
### Charging voltage and temperature relationship



### Self discharge Characteristics



### Temperature effects on floating life



### Life characteristics of standby use

