

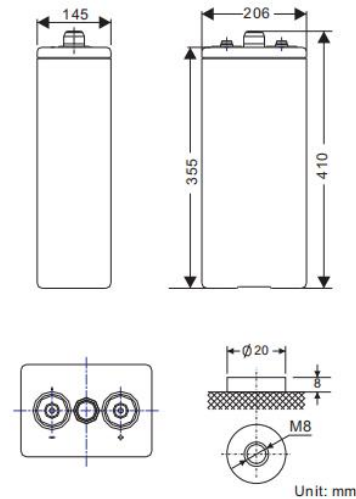
Main Advantages

- ▶ 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)	300Ah (30A 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	3600A (5 sec)
Internal resistance(25°C)	Approx 0.56 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	≤75A
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:145(L)×206(W) ×355(H)×410(TH) Unit: mm



Rated Capacity(25°C)	
120 Hour Rate (3.55A to 1.85V)	426Ah
20 Hour Rate (18.62A to 1.8V)	372.4Ah
10 Hour Rate (31.69 to 1.8V)	316.9Ah
5 Hour Rate (54.12A to 1.75V)	270.6Ah
1 Hour Rate (181.8A to 1.60V)	181.8Ah

Constant Current Discharge Characteristics: A (25°C)

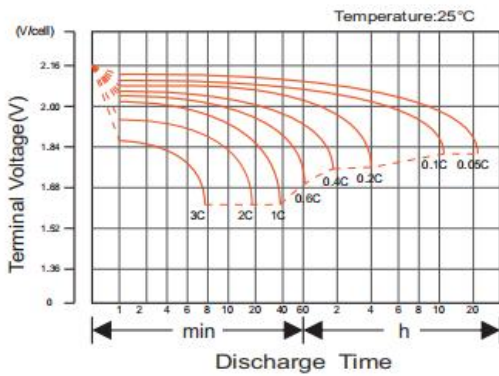
F.V /Time	30 min	1h	2h	3h	4h	5h	6h	8h	10h	24h	48h
1.60V	253	173	108	78	62	53	47	38.3	31.8	14.16	7.83
1.65V	244	169	106	77	61	53	47	38.0	31.7	14.16	7.77
1.70V	234	164	103	75	61	52	46	37.5	31.5	14.01	7.71
1.75V	225	159	101	74	59	51	45	36.8	31.1	13.77	7.62
1.80V	206	152	97	72	58	50	44	35.9	30.1	13.44	7.47
1.85V	183	141	92	70	56	48	42	34.9	29.7	13.02	7.11
1.95V	148	113	80	62	53	45	39	31.7	26.7	11.94	6.66

Constant Power Discharge Characteristics: W (25°C)

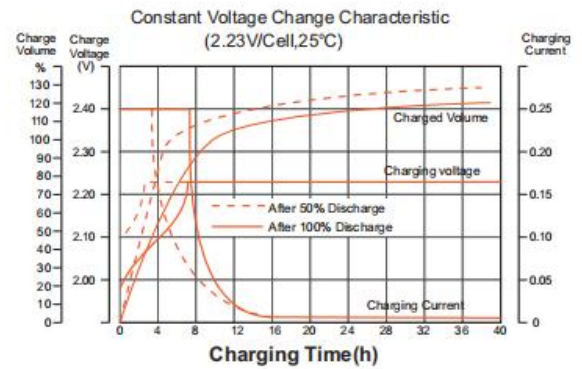
F.V /Time	30 min	1h	2h	3h	4h	5h	6h	8h	10h	24h	48h
1.60V	461	319	199	144	115	99	88	71.1	59.2	26.43	14.85
1.65V	450	312	195	142	114	98	86	70.6	58.9	26.37	14.79
1.70V	432	303	191	140	113	97	85	69.7	58.6	26.07	14.67
1.75V	417	296	187	137	111	95	84	68.7	58.1	25.86	14.61
1.80V	385	285	182	136	110	95	83	68.2	56.8	25.53	14.46
1.85V	348	267	175	134	108	93	81	67.0	57.0	25.23	14.04
1.95V	292	222	158	123	104	89	78	62.8	53.2	24.09	13.65

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.

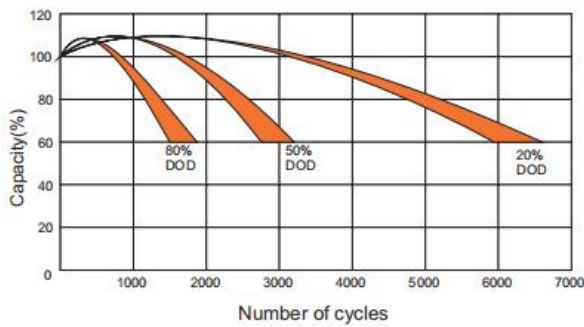
Discharge Characteristics Curve



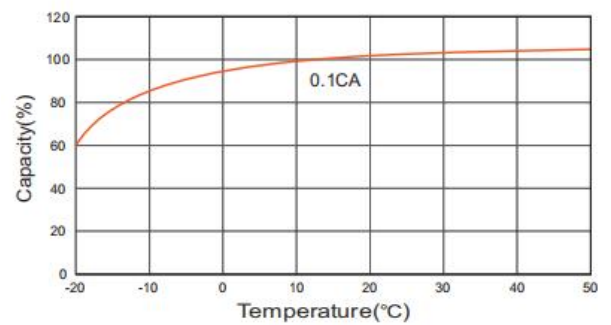
Charging Characteristics Curve



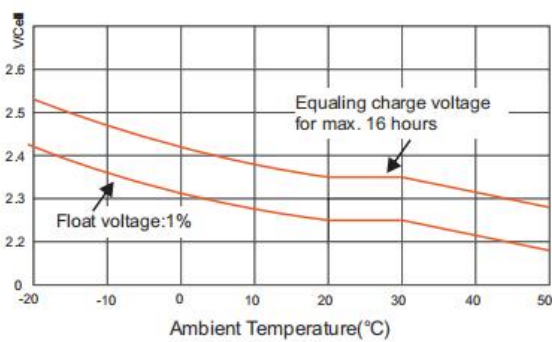
Cycle life of Different DOD



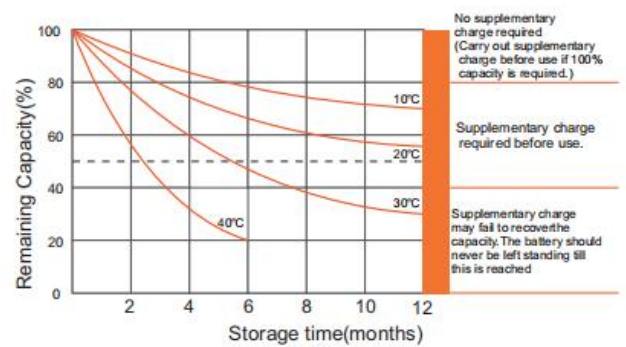
Temperature effects on capacity



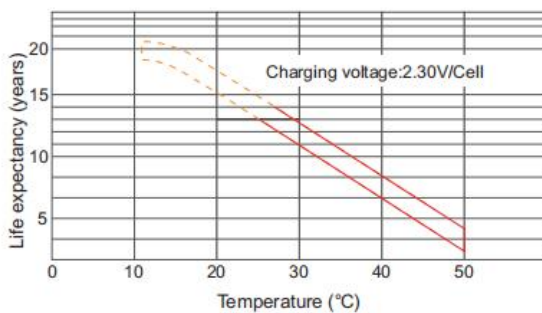
Charging voltage and temperature relationship



Self discharge Characteristics



Temperature effects on floating life



Life characteristics of standby use

