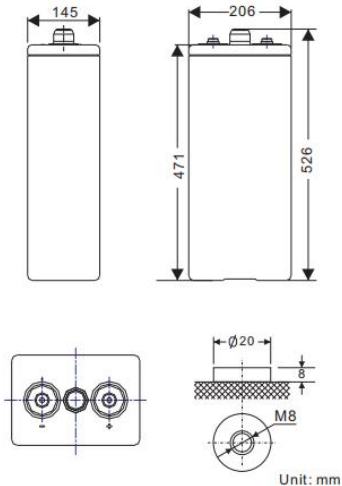


Main Advantages

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



Dimension: 145(L) × 206(W) × 471(H) × 526(TH) Unit: mm



Unit: mm

Specification	
Rated Voltage	2V
Nominal Capacity(C10, 1.80V/cell)	420Ah (40A to 1.80V @25°C)
Terminal	M8 Φ=20
Approx. Weight	Approx. 32Kg (dry cell: 23Kg)
Container Material	SAN transparent container
Max. Discharge Current	4075A (5 sec)
Internal resistance(25°C)	Approx 0.5 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	≤100A
Voltage	2.35-2.40V/cell
Temperature compensation	-5mV/ °C
Standby use	
Charging current	No limit
Voltage	2.23V/cell
Temperature compensation	-3mV/ °C

Rated Capacity(25°C)	
120 Hour Rate (4.73A to 1.85V)	567.6Ah
20 Hour Rate (24.82A to 1.8V)	496.4Ah
10 Hour Rate (42.25 to 1.8V)	422.5Ah
5 Hour Rate (72.16A to 1.75V)	360.8Ah
1 Hour Rate (243.2A to 1.60V)	243.2Ah

Constant Current Discharge Characteristics: A (25°C)

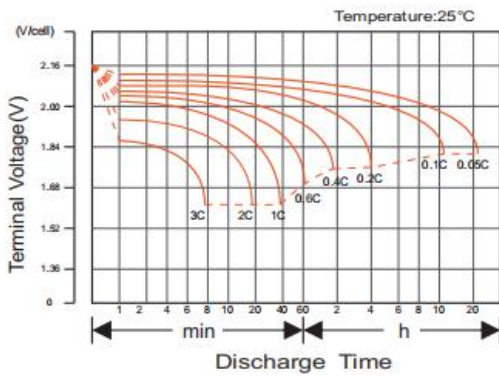
F.V/Time	30 min	1h	2h	3h	4h	5h	6h	8h	10h	24h	48h
1.60V	354	242	151	109	87	75	66	53.6	44.6	19.82	10.96
1.65V	342	237	148	107	86	74	65	53.2	44.3	19.82	10.88
1.70V	328	230	144	106	85	73	64	52.5	44.1	19.61	10.79
1.75V	316	223	141	103	83	72	63	51.6	43.5	19.28	10.67
1.80V	289	212	135	101	81	70	61	50.3	42.1	18.82	10.46
1.85V	256	197	128	98	79	68	59	48.8	41.6	18.23	9.95
1.95V	207	158	112	87	74	63	55	44.3	37.4	16.72	9.32

Constant Power Discharge Characteristics: W (25°C)

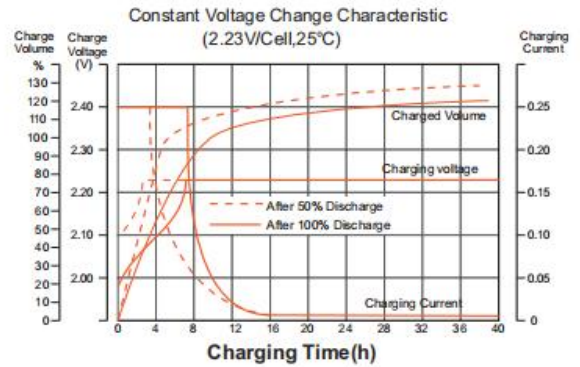
F.V/Time	30 min	1h	2h	3h	4h	5h	6h	8h	10h	24h	48h
1.60V	645	446	279	202	161	139	123	99.6	82.8	37.00	20.79
1.65V	630	437	273	199	159	137	121	98.8	82.5	36.92	20.71
1.70V	605	424	267	196	158	135	119	97.5	82.0	36.50	20.54
1.75V	584	414	262	192	155	134	118	96.2	81.3	36.20	20.45
1.80V	539	399	255	191	154	133	116	95.5	79.5	35.74	20.24
1.85V	487	374	244	187	151	130	114	93.7	79.8	35.32	19.66
1.95V	409	311	221	173	146	125	109	87.9	74.5	33.73	19.11

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.

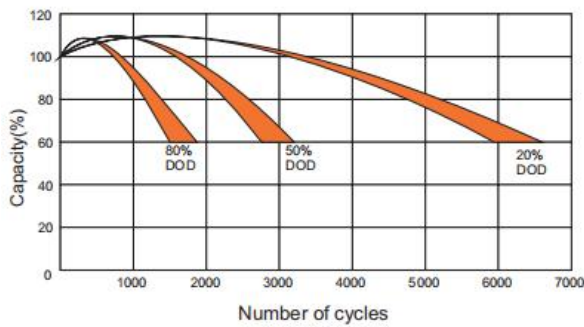
Discharge Characteristics Curve



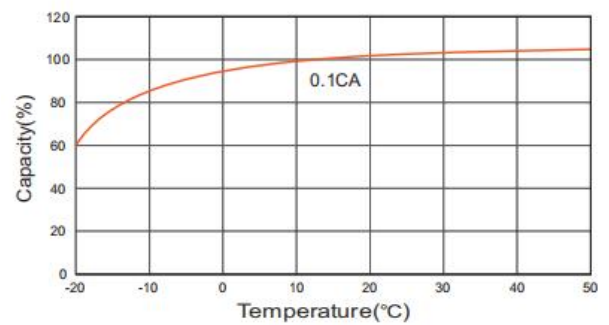
Charging Characteristics Curve



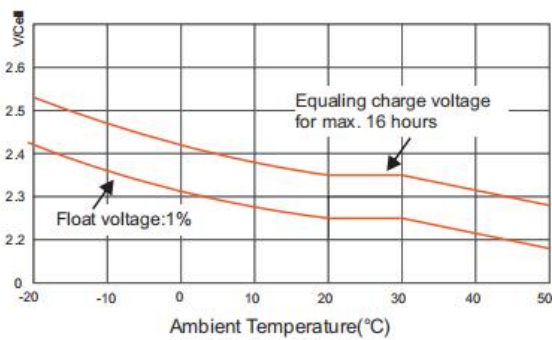
Cycle life of Different DOD



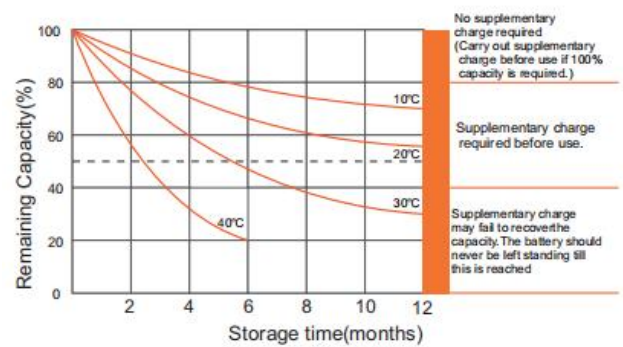
Temperature effects on capacity



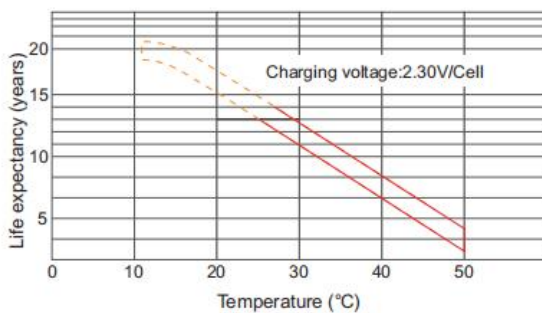
Charging voltage and temperature relationship



Self discharge Characteristics



Temperature effects on floating life



Life characteristics of standby use

