

Specifications

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	1500 Ah
	3HR(1.75V)	1170Ah
	1HR(1.75V)	805Ah
Dimension	Length	275 ± 2mm (10.83inch)
	Width	210 ± 2mm (8.27inch)
	Height	796 ± 3mm (31.33inch)
	Total Height	831 ± 3mm (32.72inch)
Approx. Weight		98.5kg (217.1lbs) ± 4%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.25mΩ
Capacity affected by temperature (10HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 93%
	6 month	Remaining Capacity: 85%
	12 month	Remaining Capacity: 72%
Nominal operating temperature		25°C ± 3°C (77°F ± 5°F)
Operating temperature range	Discharge	-15°C ~ 50°C (5°F ~ 122°F)
	Charge	-10°C ~ 50°C (14°F ~ 122°F)
	Storage	-20°C ~ 50°C (-4°F ~ 122°F)
Float charging voltage(25°C)		2.25 to 2.30V Temperature compensation: -3mV/°C
Cyclic charging voltage(25°C)		2.35 to 2.40V Temperature compensation: -5mV/°C
Maximum charging current		300A
Terminal material		Copper
Maximum discharge current		6000A(5 sec.)
Designed floating life(20°C)		20 years

- Gelled electrolyte technology;
- Tubular Positive Plate;
- ABS container.

Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h
1.60V	1650	1275	855	518	398	321	274	236	185	153	80.9	69.7	37.0
1.65V	1610	1250	842	515	395	319	272	234	184	152	80.8	69.6	36.9
1.70V	1551	1211	821	510	393	317	270	233	183	152	80.5	69.1	36.8
1.75V	1498	1182	805	502	390	315	269	231	182	151	80.1	69.0	36.6
1.80V	1419	1139	780	490	378	306	260	224	176	150	79.5	68.7	36.3

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h
1.60V	3020	2384	1625	999	780	630	540	464	367	304	162	140	74.8
1.65V	2947	2337	1600	993	775	626	536	461	364	303	162	140	74.6
1.70V	2838	2265	1560	984	770	622	533	458	362	302	161	139	74.3
1.75V	2742	2210	1529	970	764	617	529	455	359	301	160	139	73.8
1.80V	2597	2129	1482	945	741	599	513	441	349	299	159	138	73.3

Note: The above characteristics data can be obtained within three charge/discharge cycles.

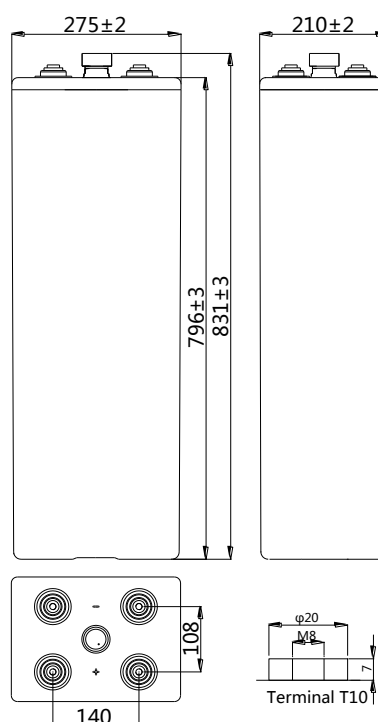
Long Life

Excellent Performance

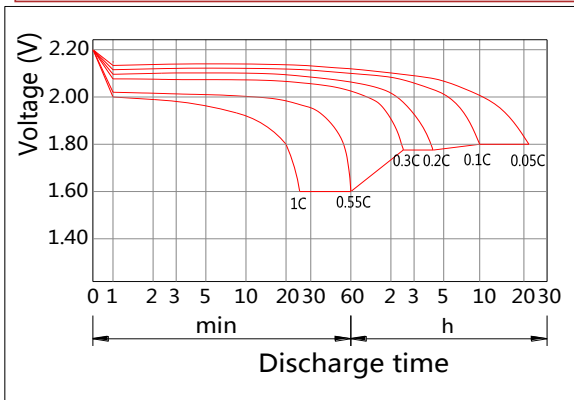
Safety Protection



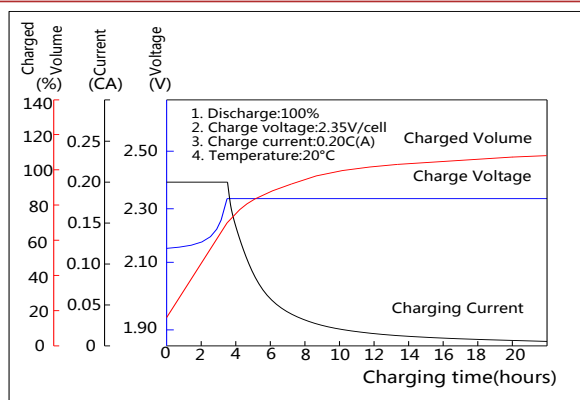
Dimensions



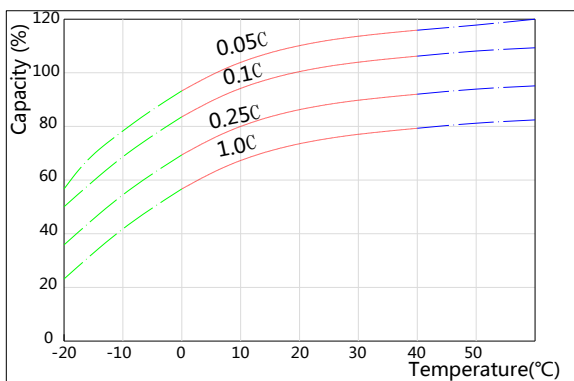
Discharge Characteristics(25 °C)



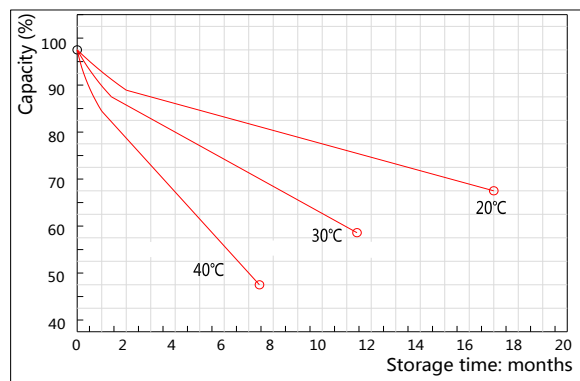
Charging Characteristics(25 °C)



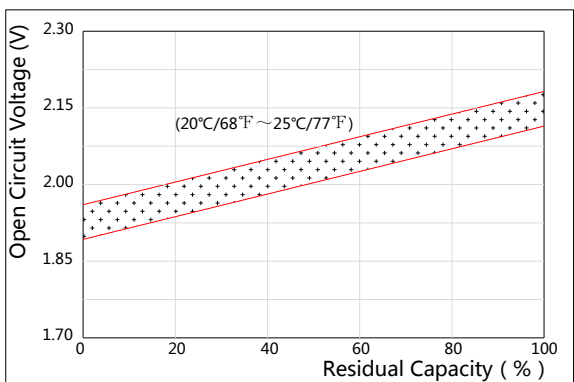
Effect of Temperature on Capacity



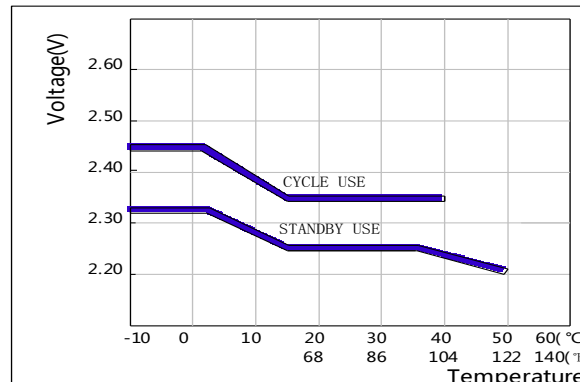
Self-discharge Characteristics



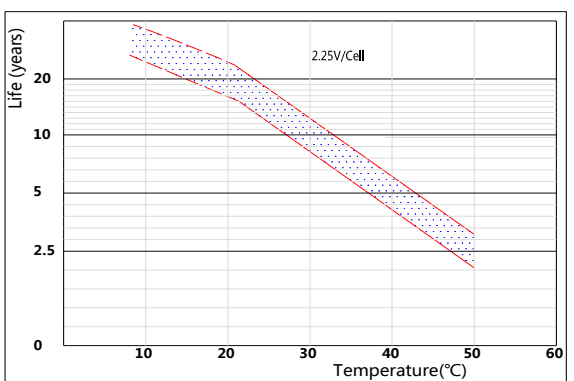
The Relationship for Open Circuit Voltage and Residual Capacity (25 °C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25 °C)

