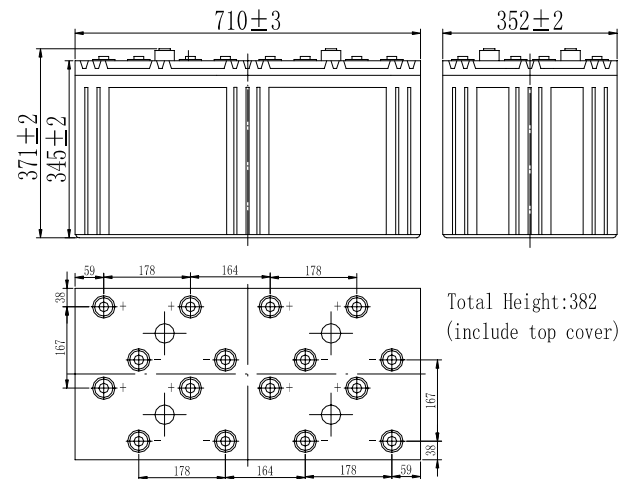


Specifications

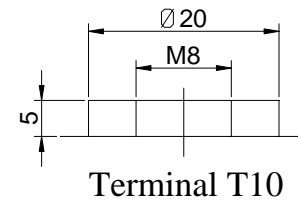
Nominal Voltage		2 V
Capacity (25 °C)	10HR(1.80V)	3000 Ah
	3HR(1.75V)	2295Ah
	1HR(1.75V)	1694Ah
Dimension	Length	710±3mm (27.95inch)
	Width	352±2mm (13.86inch)
	Height	345±2mm (13.58inch)
	Total Height	382±3mm (15.04inch)
Approx. Weight		190kg (419lbs)±3%
Terminal type		T10
Internal resistance (Fully charged, 25 °C)		Approx. 0.11mΩ
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: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
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)	2.42 to 2.48V Temperature compensation: -5mV/°C	
Maximum charging current	600A	
Terminal material	Copper	
Maximum discharge current	15000A(5 sec.)	
Designed floating life(20°C)	15~18 years	



Dimensions



Terminal



- ◆ Absorbent glass mat technology;
- ◆ Recognized by UL & CE;
- ◆ ABS container.

Constant Current Discharge Characteristics (A, 25 °C)

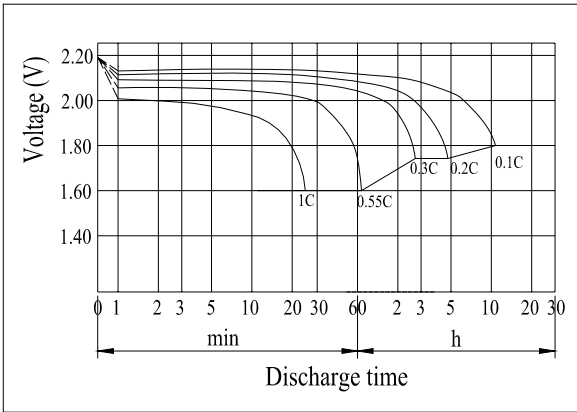
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V	2700	1800	1096	780	627	545	468	367	305	160	139
1.65V	2646	1773	1090	776	624	541	465	365	305	160	139
1.70V	2565	1728	1080	770	619	538	462	363	304	160	138
1.75V	2503	1694	1064	765	615	534	459	360	302	159	137
1.80V	2411	1642	1037	742	597	518	445	349	300	158	137

Constant Power Discharge Characteristics (Watt, 25 °C)

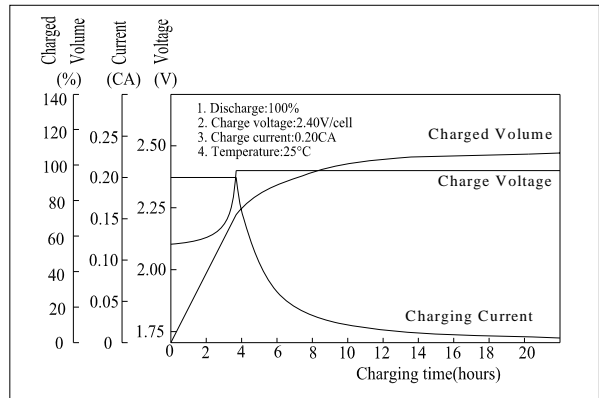
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V	5049	3420	2116	1529	1230	1073	922	731	608	321	279
1.65V	4948	3369	2103	1520	1222	1067	917	726	607	320	279
1.70V	4797	3283	2084	1510	1214	1059	911	721	605	319	278
1.75V	4680	3218	2053	1499	1205	1052	904	716	601	317	276
1.80V	4509	3119	2001	1454	1169	1020	877	695	597	315	274

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

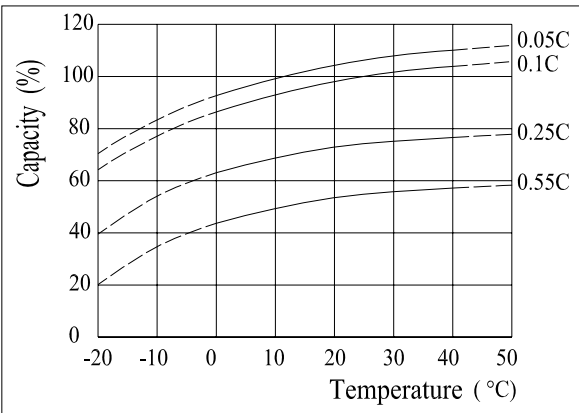
Discharge Characteristics(25°C)



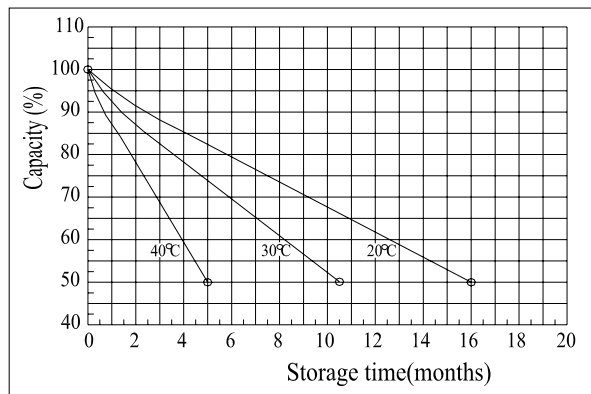
Charging Characteristics(25°C)



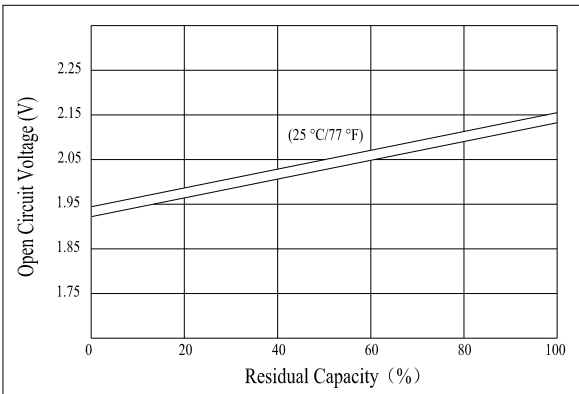
Effect of Temperature on Capacity



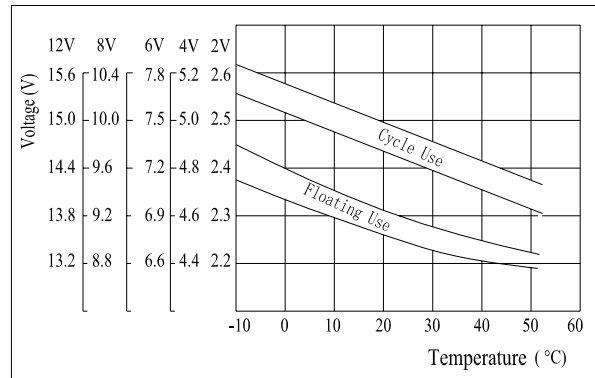
Self-discharge Characteristics



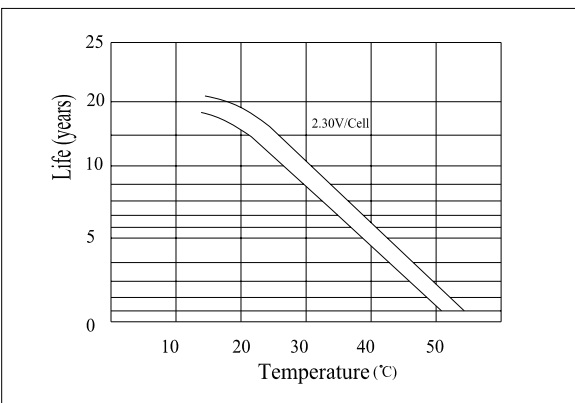
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

