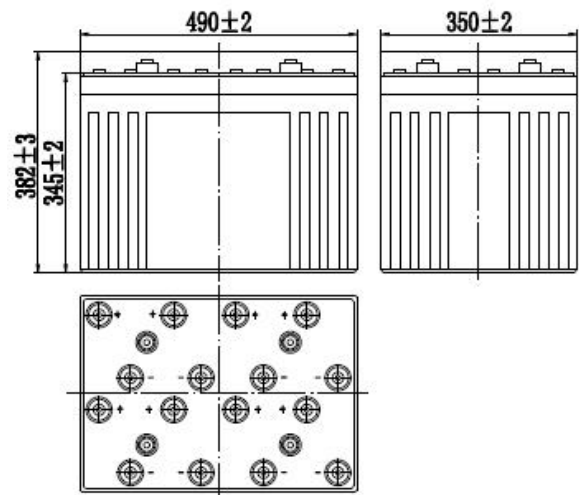
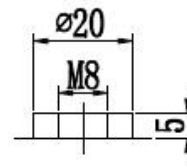


**Specifications**

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	2000 Ah
	3HR(1.75V)	1560Ah
	1HR(1.75V)	1160Ah
Dimension	Length	490±2mm (19.29inch)
	Width	350±2mm (13.78inch)
	Height	345±2mm (13.58inch)
	Total Height	382±3mm (15.04inch)
Approx. Weight		120kg (264.5lbs)±3%
Terminal type		F12
Internal resistance (Fully charged, 25°C)		Approx. 0.2mΩ
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 2.50V Temperature compensation: -5mV/°C
Maximum charging current		400A
Maximum discharge current		11000A(5 sec.)
Designed floating life(20°C)		15~18 years

**Dimensions**

**Terminal**

**Terminal F12**
**Constant Current Discharge Characteristics (A, 25°C)**

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V	1820	1250	737	530	424	365	314	248	205	108	92.4
1.65V	1784	1231	733	527	422	363	312	246	204	108	92.3
1.70V	1729	1200	726	524	419	361	310	245	204	107	92.0
1.75V	1687	1176	715	520	416	358	308	243	202	107	91.4
1.80V	1625	1140	697	504	404	347	299	236	201	106	90.8

**Constant Power Discharge Characteristics (Watt, 25°C)**

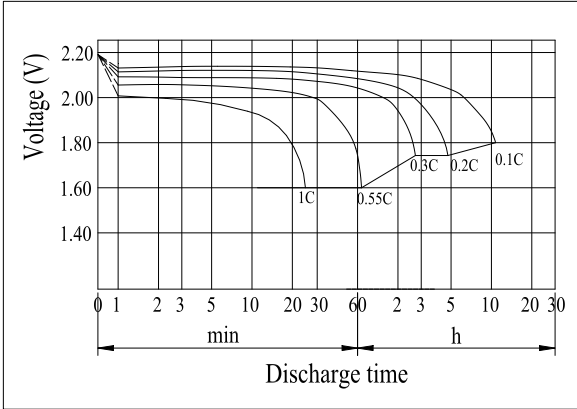
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V	3403	2375	1422	1040	832	719	619	493	407	216	186
1.65V	3335	2339	1414	1033	827	715	615	490	406	215	185
1.70V	3233	2280	1401	1026	821	710	611	487	405	215	185
1.75V	3155	2235	1380	1019	815	705	607	484	403	213	184
1.80V	3039	2166	1345	989	791	684	589	469	400	212	183

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

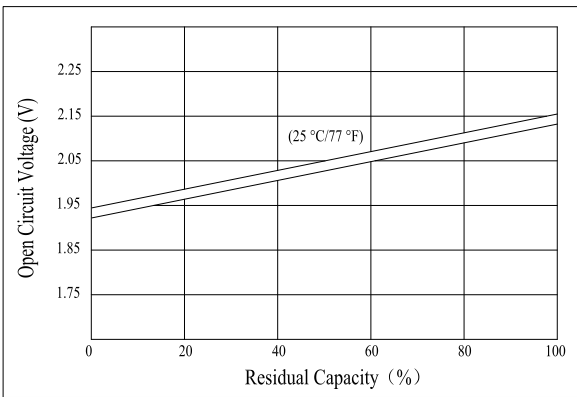
**Construction**

Component	Positive plate	Negative plate	Container	Cover	Separator	Electrolyte	Safety valve	Terminal
Raw material	Lead dioxide	Lead	ABS	ABS	AGM	Sulfuric acid	Rubber	Copper

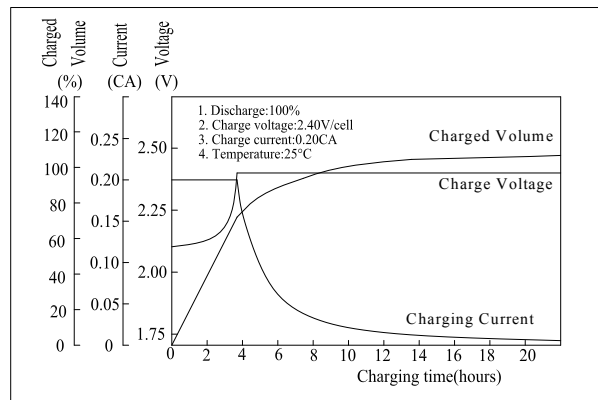
**Discharge Characteristics(25°C)**



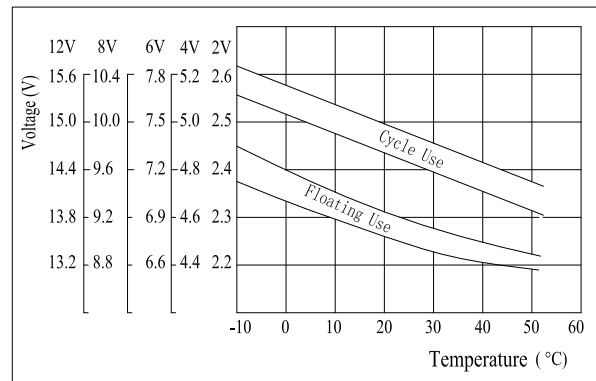
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



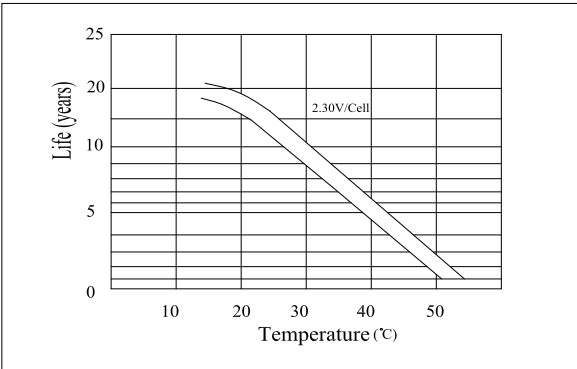
**Charging Characteristics(25°C)**



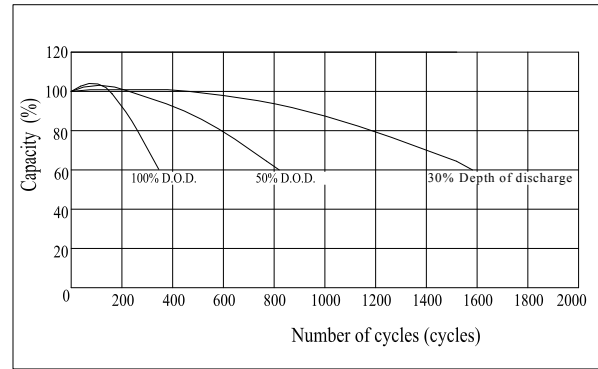
**The Relationship for Charging Voltage and Temperature**



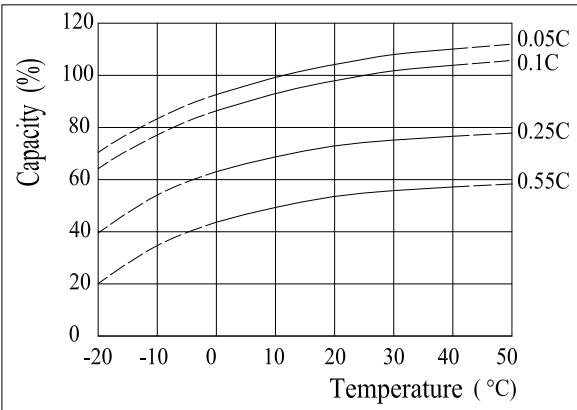
**Floating Life on Temperature**



**Cycle Life on D.O.D(25°C)**



**Effect of Temperature on Capacity**



**Self-discharge Characteristics**

