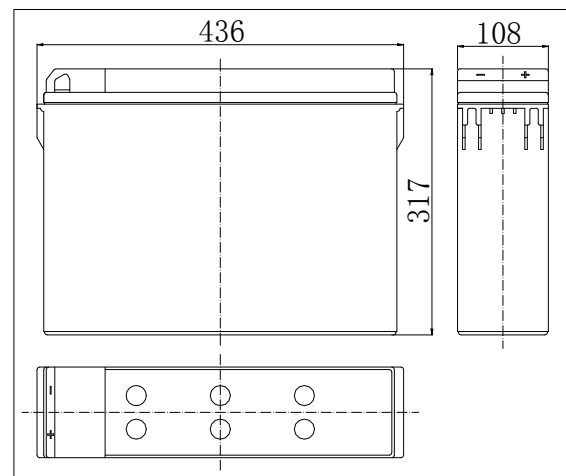


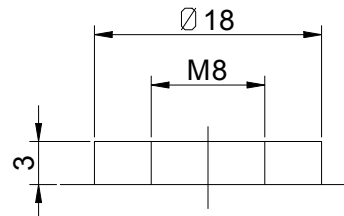
Specifications

Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	125 Ah
	5HR(10.5V)	110Ah
	1HR(9.60V)	75Ah
Dimension	Length	436±2mm (17.17inch)
	Width	108±2mm (4.25inch)
	Height	317±2mm (12.48inch)
	Total Height	317±2mm (12.48inch)
Approx. Weight		37kg (81.6lbs)±4%
Terminal type		F15
Internal resistance (Fully charged, 25°C)		Approx. 4.5mΩ
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)		13.50 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.50 to 15.00V Temperature compensation: -30mV/°C
Maximum charging current		37.5A
Maximum discharge current		1000A(5 sec.)
Designed floating life(20°C)		12 years

Dimensions



Terminal



Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	264	204	122	74.9	45.7	32.5	26.3	22.4	15.4	12.7	6.74
9.90V	256	199	119	73.8	45.4	32.3	26.1	22.3	15.3	12.7	6.73
10.2V	246	191	116	71.9	45.0	32.1	25.9	22.2	15.2	12.7	6.71
10.5V	235	185	113	70.4	44.3	31.9	25.8	22.0	15.1	12.6	6.67
10.8V	222	175	109	68.3	43.2	30.9	25.0	21.3	14.7	12.5	6.63

Constant Power Discharge Characteristics (Watt, 25°C)

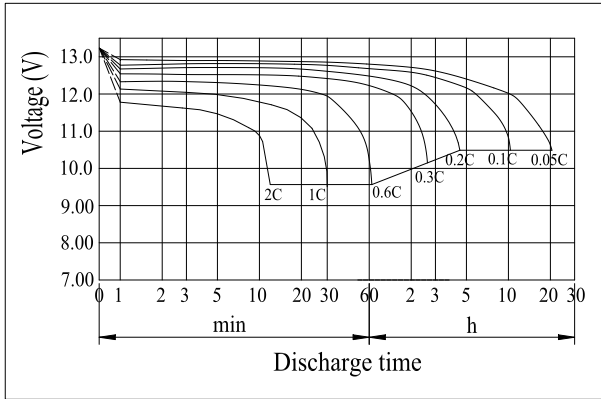
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	2855	2237	1367	854	529	382	309	265	183	152	80.9
9.90V	2769	2183	1340	841	526	380	307	264	182	152	80.8
10.2V	2655	2102	1299	820	521	377	305	262	181	151	80.5
10.5V	2541	2031	1267	803	513	375	303	260	180	150	80.1
10.8V	2398	1923	1221	778	500	364	294	252	174	149	79.5

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

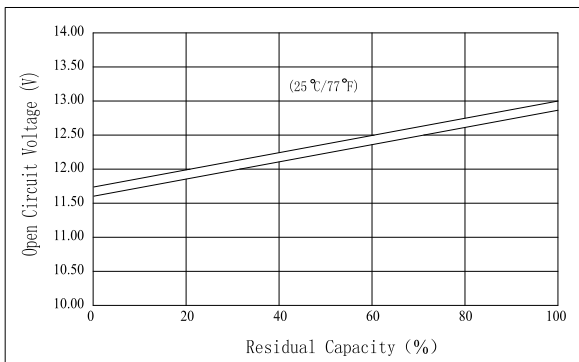
Construction

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

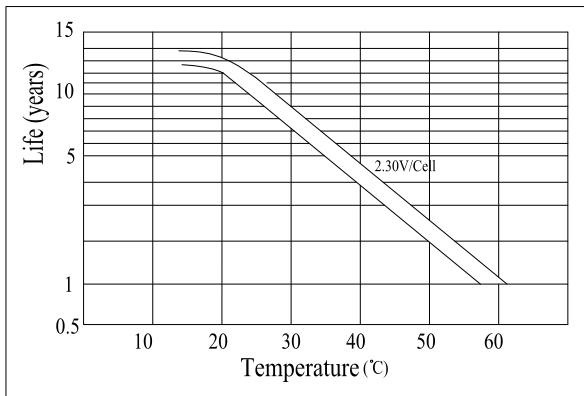
Discharge Characteristics(25°C)



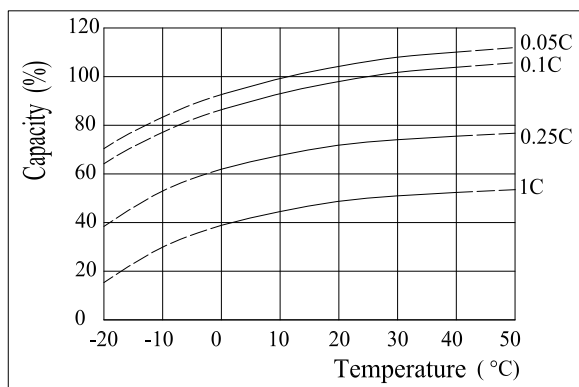
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



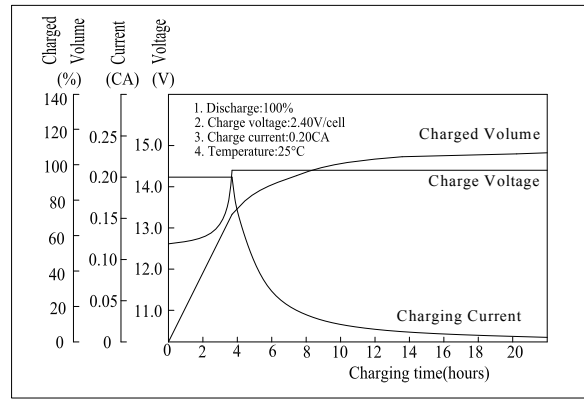
Floating Life on Temperature



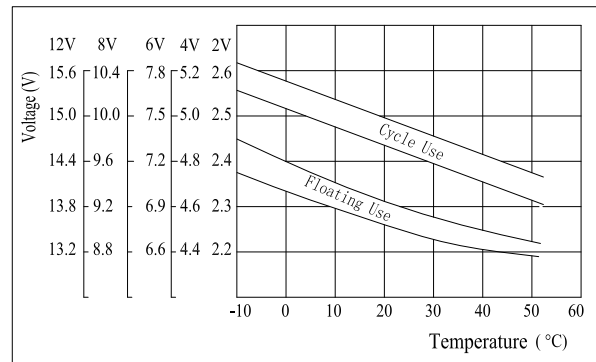
Effect of Temperature on Capacity



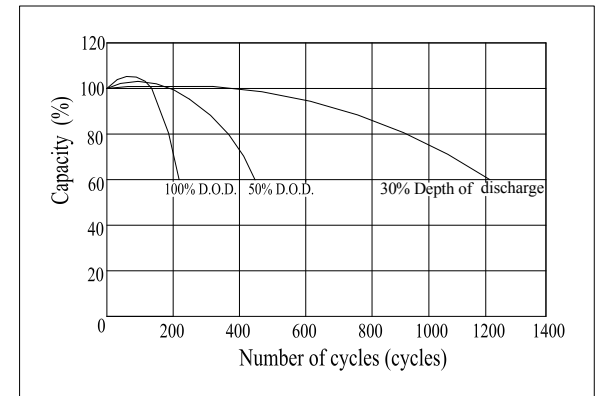
Charging Characteristics(25°C)



The Relationship for Charging Voltage and Temperature



Cycle Life on D.O.D(25°C)



Self-discharge Characteristics

