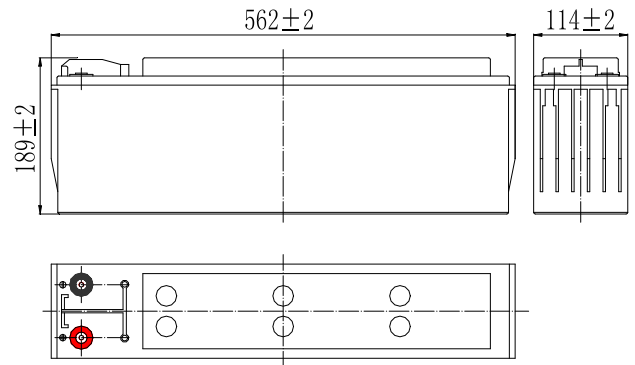
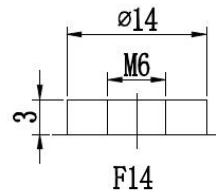


Specifications

Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	75Ah
	5HR(10.5V)	65Ah
	1HR(9.60V)	45Ah
Dimension	Length	562±2mm (22.13inch)
	Width	114±2mm (4.49inch)
	Height	189±2mm (7.44inch)
	Total Height	189±2mm (7.44inch)
Approx. Weight		24.5kg (54lbs)±4%
Terminal type		F14
Internal resistance (Fully charged, 25°C)		Approx. 6.5mΩ
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		22.5A
Maximum discharge current		600A(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	159	122	73.1	45.0	27.4	19.5	15.8	13.5	9.26	7.64	4.05
9.90V	154	119	71.7	44.3	27.2	19.4	15.7	13.4	9.20	7.62	4.04
10.2V	147	115	69.5	43.2	27.0	19.3	15.6	13.3	9.14	7.60	4.03
10.5V	141	111	67.8	42.3	26.6	19.1	15.5	13.2	9.08	7.55	4.00
10.8V	133	105	65.3	41.0	25.9	18.6	15.0	12.8	8.80	7.50	3.98

Constant Power Discharge Characteristics (Watt, 25°C)

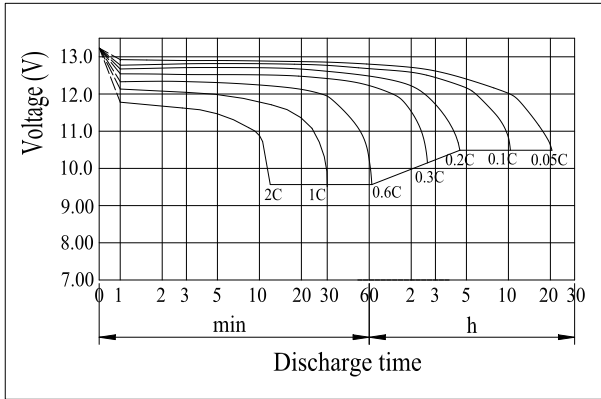
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	1713	1342	820	513	317	229	185	159	110	91.2	48.6
9.90V	1661	1310	804	505	315	228	184	158	109	91.0	48.5
10.2V	1593	1261	779	492	313	226	183	157	109	90.7	48.3
10.5V	1524	1219	760	482	308	225	182	156	108	90.2	48.0
10.8V	1439	1154	733	467	300	218	176	151	105	89.6	47.7

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

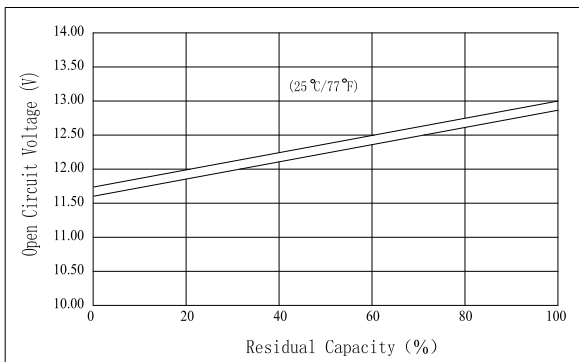
Construction

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

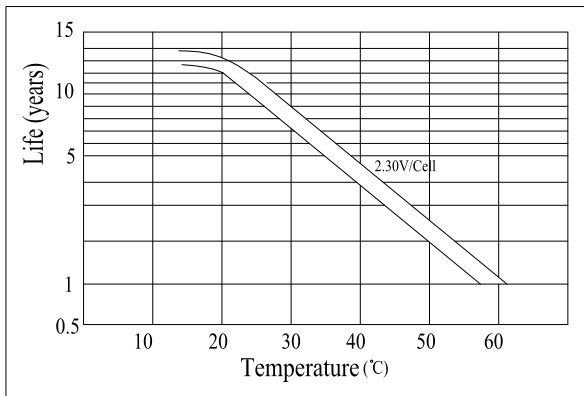
Discharge Characteristics(25°C)



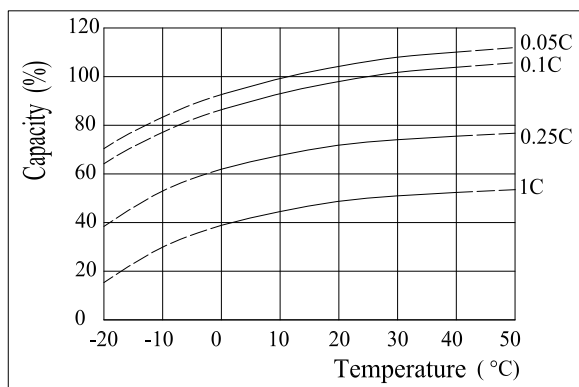
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



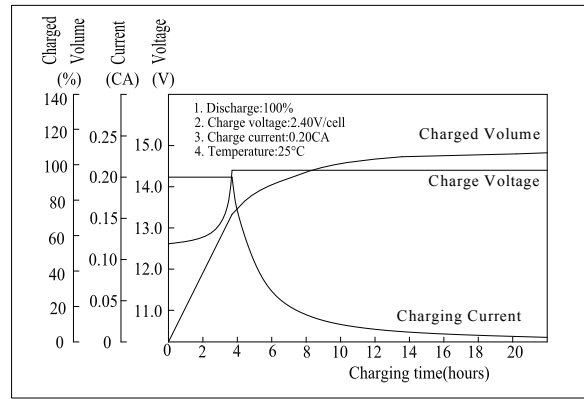
Floating Life on Temperature



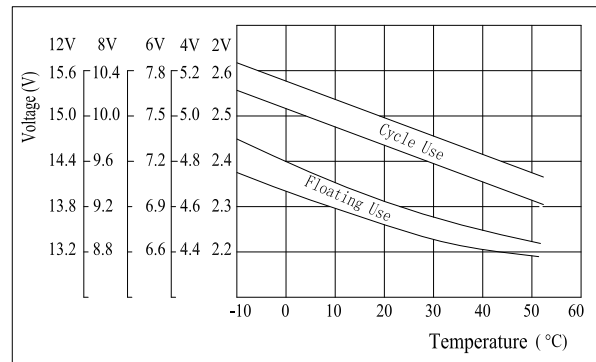
Effect of Temperature on Capacity



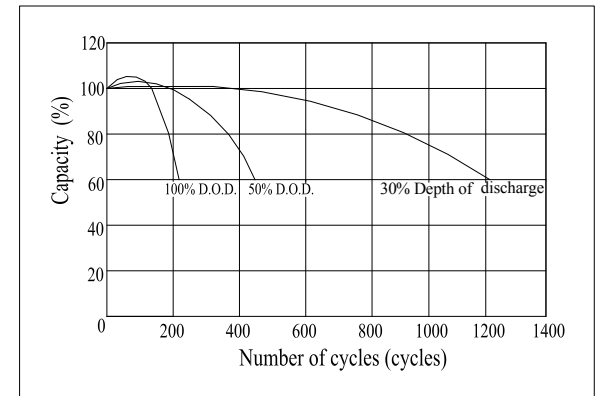
Charging Characteristics(25°C)



The Relationship for Charging Voltage and Temperature



Cycle Life on D.O.D(25°C)



Self-discharge Characteristics

