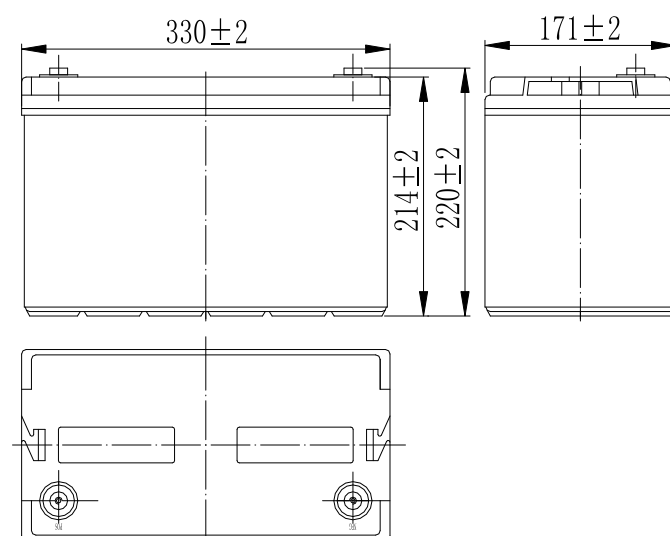


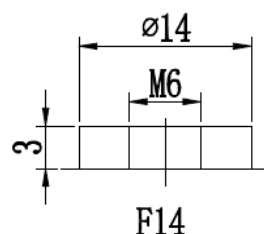
Specifications

Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	100Ah
	3HR(10.5V)	76Ah
	1HR(9.60V)	60.9Ah
Dimension	Length	330±2mm (12.99inch)
	Width	171±2mm (6.73inch)
	Height	214±2mm (8.43inch)
	Total Height	220±2mm (8.66inch)
Approx. Weight		29.5kg (64.4lbs)±4%
Terminal type		F14
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		30A
Maximum discharge current		800A(5 sec.)
Designed floating life(20°C)		10 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	218	167	101	60.7	36.4	25.9	21.0	18.0	12.3	10.2	5.39
9.90V	211	163	98	60.6	36.2	25.8	20.8	17.8	12.2	10.1	5.37
10.2V	202	158	95	59.2	35.9	25.7	20.6	17.7	12.1	10.0	5.36
10.5V	194	153	93	58.0	35.4	25.5	20.5	17.6	12.0	10.0	5.33
10.8V	182	143	89.5	56.1	34.5	24.6	20.0	17.1	11.9	9.9	5.30

Constant Power Discharge Characteristics (Watt, 25°C)

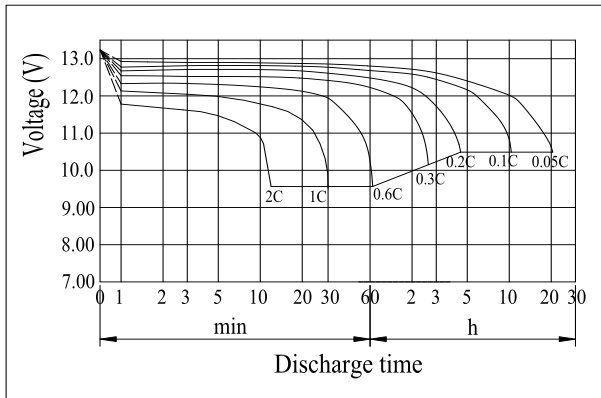
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	2347	1840	1125	703	422	305	246	212	146	121.6	64.5
9.90V	2278	1796	1102	693	420	303	245	211	145	120.7	64.4
10.2V	2185	1730	1069	675	416	301	243	208	144	120.2	64.3
10.5V	2090	1671	1042	660	410	299	241	207	143	119.7	64.2
10.8V	1973	1582	1004	640	399	291	235	201	139	118.9	63.5

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

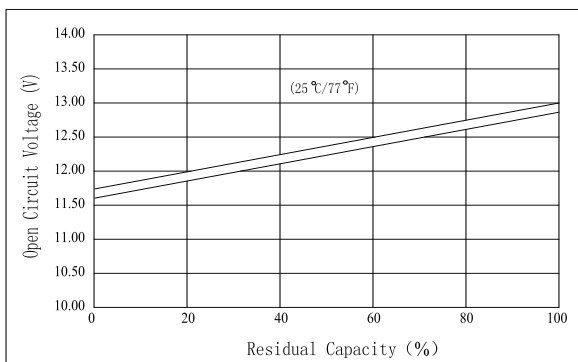
Construction

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

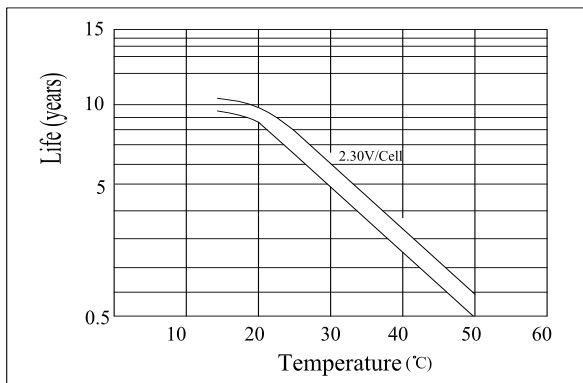
Discharge Characteristics(25°C)



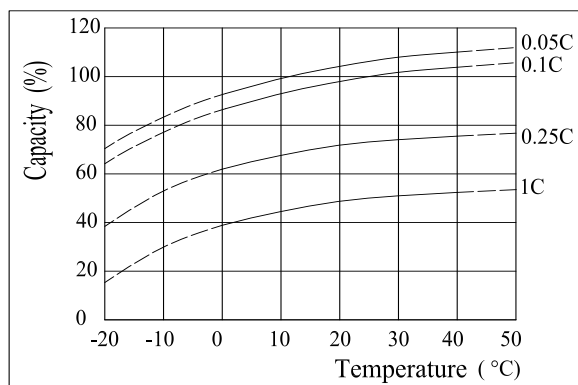
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



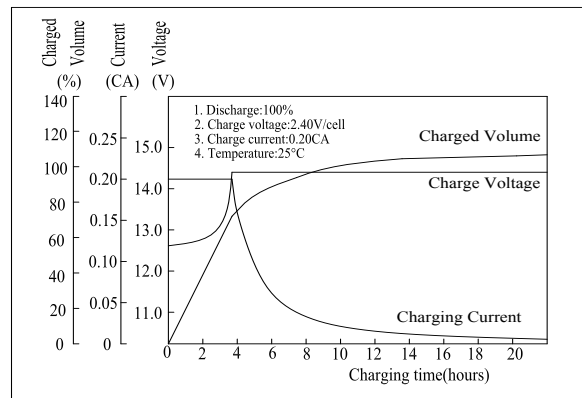
Floating Life on Temperature



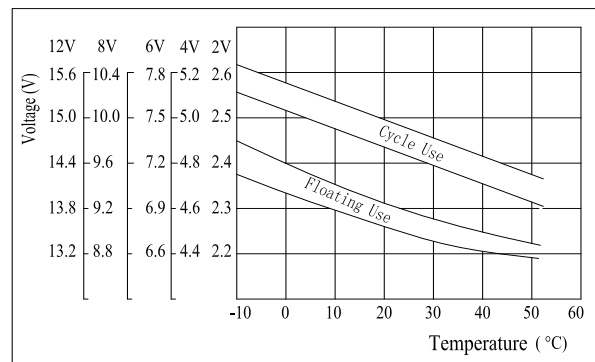
Effect of Temperature on Capacity



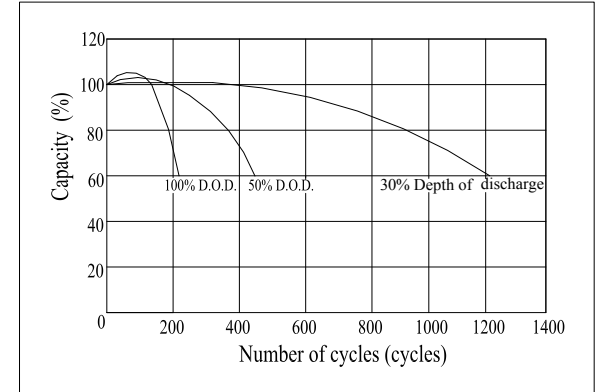
Charging Characteristics(25°C)



The Relationship for Charging Voltage and Temperature



Cycle Life on D.O.D(25°C)



Self-discharge Characteristics

