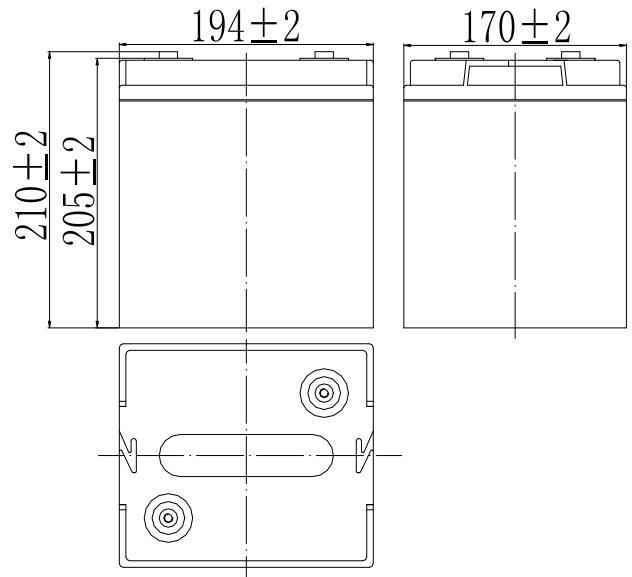
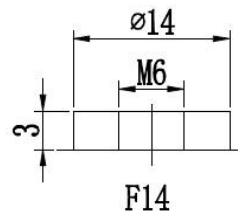


Specifications

Nominal Voltage		6 V
Capacity (25°C)	10HR(5.40V)	100 Ah
	5HR(5.25V)	88Ah
	1HR(4.80V)	61Ah
Dimension	Length	194±2mm (7.64inch)
	Width	170±2mm (6.69inch)
	Height	205±2mm (8.07inch)
	Total Height	210±2mm (8.27inch)
Approx. Weight		15.5kg (34.2lbs)±4%
Terminal type		F14
Internal resistance (Fully charged, 25°C)		Approx. 3m Ω
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)		6.75 to 6.90V Temperature compensation: -9mV/°C
Cyclic charging voltage(25°C)		7.25 to 7.50V Temperature compensation: -15mV/°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
4.80V	218	168	101	61.8	36.5	26.0	21.0	18.0	12.3	10.2	5.40
4.95V	211	164	98.5	60.9	36.3	25.9	20.9	17.8	12.3	10.2	5.38
5.10V	203	158	95.5	59.3	36.0	25.7	20.7	17.7	12.2	10.1	5.37
5.25V	194	153	93.2	58.1	35.5	25.5	20.6	17.6	12.1	10.1	5.34
5.40V	183	144	89.7	56.3	34.6	24.7	20.0	17.1	11.7	10.0	5.30

Constant Power Discharge Characteristics (Watt, 25°C)

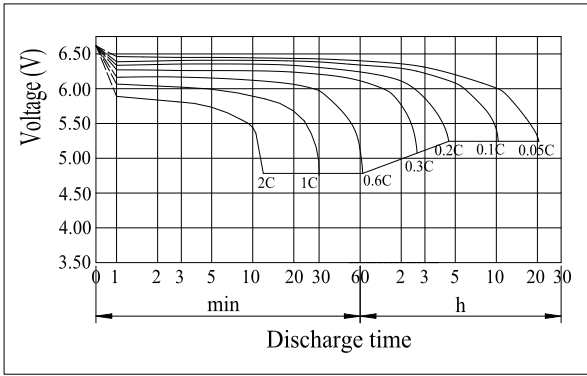
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
4.80V	1177	922	564	352	212	153	124	106	73.3	60.8	32.4
4.95V	1142	900	553	347	210	152	123	105	72.9	60.7	32.3
5.10V	1095	867	536	338	208	151	122	105	72.4	60.5	32.2
5.25V	1048	837	523	331	205	150	121	104	71.9	60.1	32.0
5.40V	989	793	503	321	200	145	117	101	69.7	59.7	31.8

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

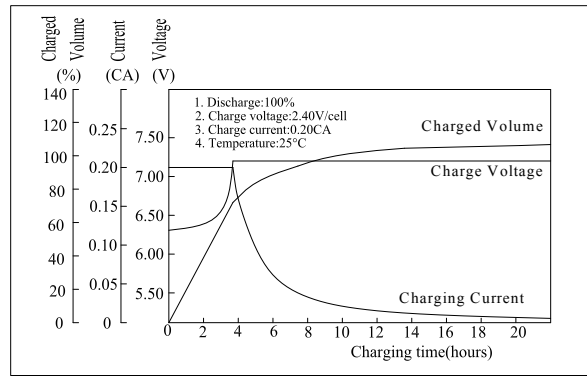
Construction

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

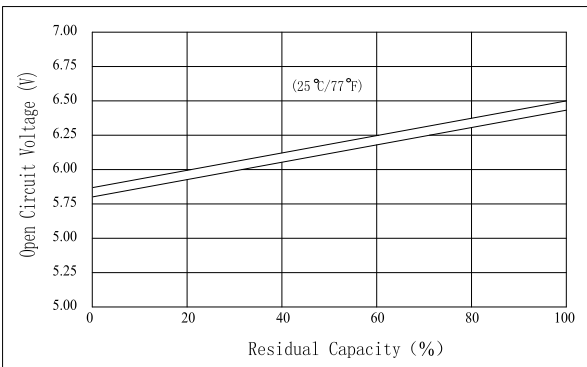
Discharge Characteristics(25°C)



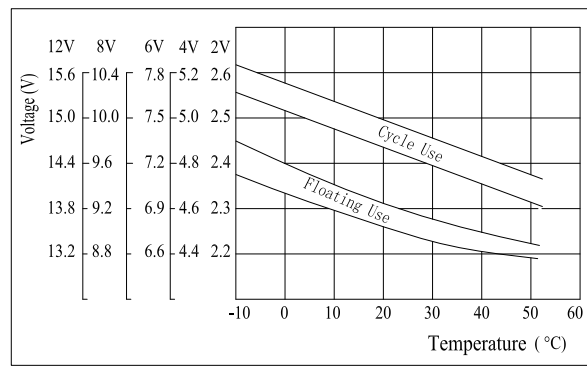
Charging Characteristics(25°C)



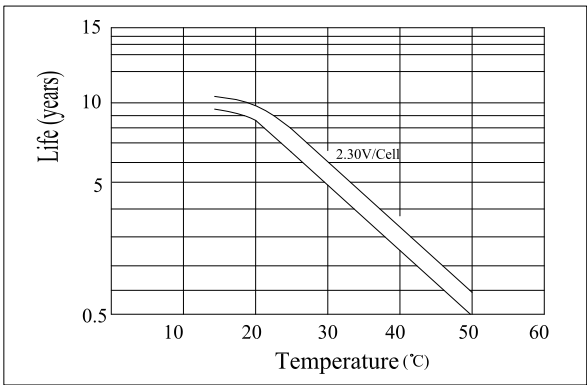
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



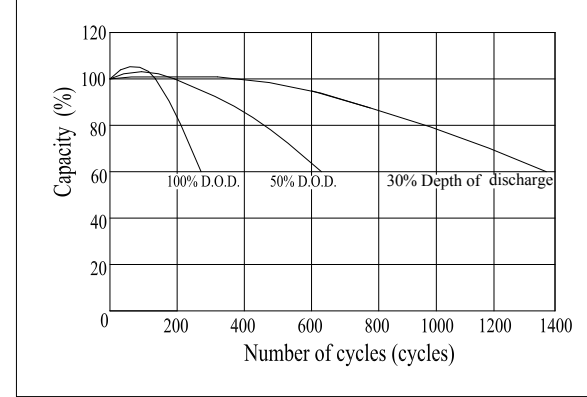
The Relationship for Charging Voltage and Temperature



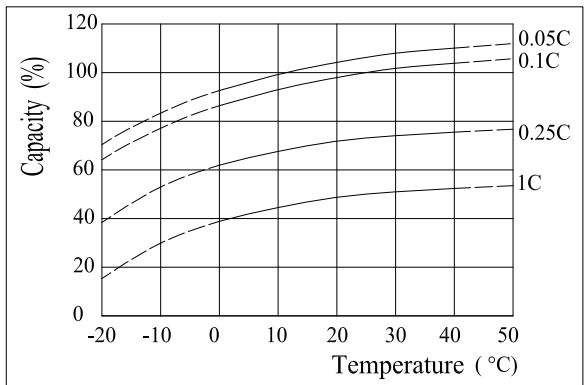
Floating Life on Temperature



Cycle Life on D.O.D(25°C)



Effect of Temperature on Capacity



Self-discharge Characteristics

