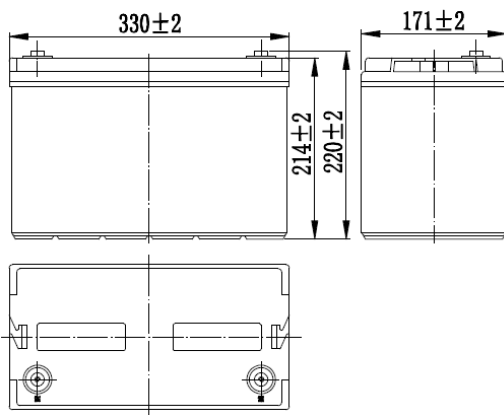


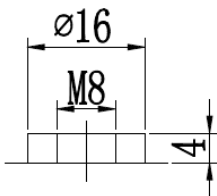
Specifications

Nominal Voltage		12 V
Rated capacity(10HR)		100Ah
Dimension	Length	330±2mm (12.99inch)
	Width	171±2mm (6.73inch)
	Height	214±2mm (8.43inch)
	Total Height	220±2mm (8.66inch)
Approx. Weight		29.3kg (647bs)±3%

Dimensions



Terminal



Characteristics

Capacity (25°C)	10HR(10.8V)	100 Ah
	3HR(10.8V)	75Ah
	1HR(10.5V)	55Ah
Terminal type		T16
Internal resistance (Fully charged, 25°C)		Approx. 4.5m 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)		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
Terminal material		Copper
Maximum discharge current		800A(5 sec.)
Designed floating life(20°C)		10 years

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

Constant Current Discharge Characteristics (A, 25°C)

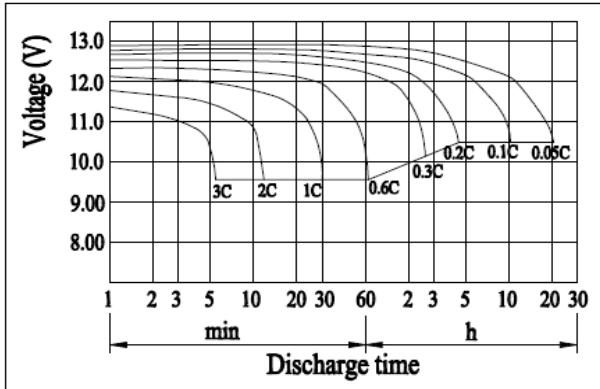
F.V/TIME	5min	10min	15min	30min	60min	3h	4h	5h	8h	10h	20h
9.60V	295.9	218	168	101	61.8	26.3	21.0	18.0	12.3	10.2	5.40
9.90V	277.8	211	164	98.5	60.9	26.2	20.9	17.8	12.3	10.2	5.38
10.2V	263.1	203	158	95.5	59.3	26.0	20.7	17.7	12.2	10.1	5.37
10.5V	229.0	194	153	93.2	57.5	25.8	20.6	17.6	12.1	10.1	5.34
10.8V	198.1	183	144	89.7	55.6	25.0	20.0	17.1	11.7	10.0	5.30

Constant Power Discharge Characteristics (Watt, 25°C)

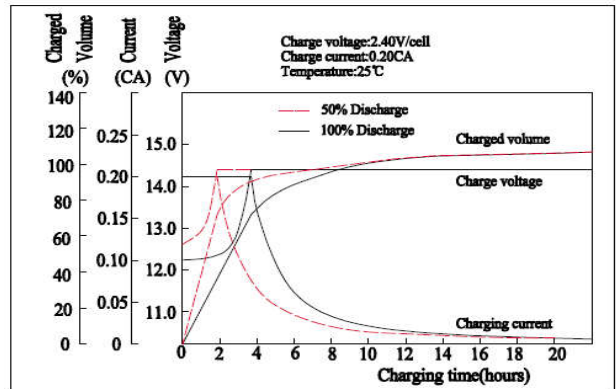
F.V/TIME	5min	10min	15min	30min	60min	3h	4h	5h	8h	10h	20h
9.60V	3295	2354	1845	1128	705	309	247	212	147	122	64.7
9.90V	3190	2284	1800	1105	694	308	246	211	146	121	64.6
10.2V	3113	2190	1754	1071	676	306	244	209	145	121	64.4
10.5V	2790	2095	1675	1045	655	303	242	208	144	120	64.0
10.8V	2482	1978	1586	1007	634	294	235	202	139	119	63.6

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

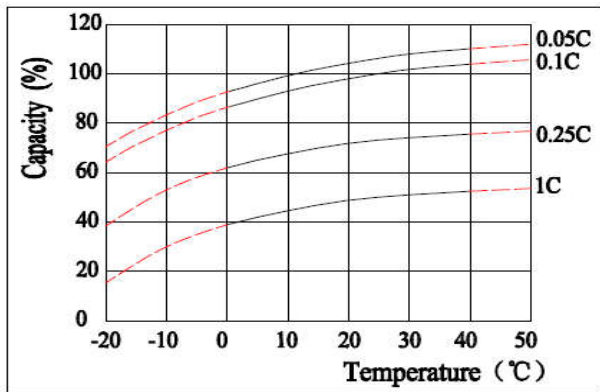
Discharge Characteristics(25°C)



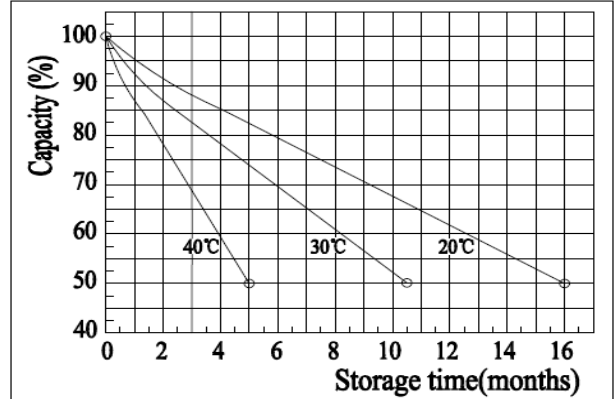
Charging Characteristics(25°C)



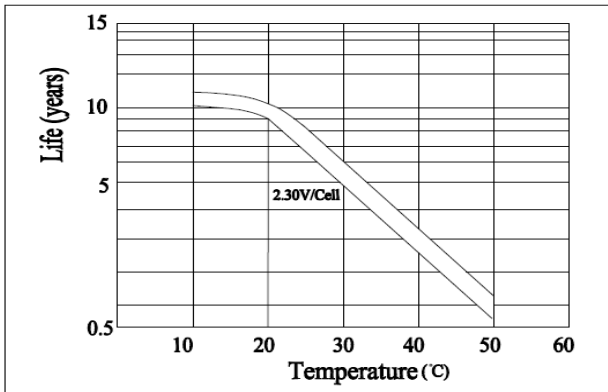
Effect of Temperature on Capacity



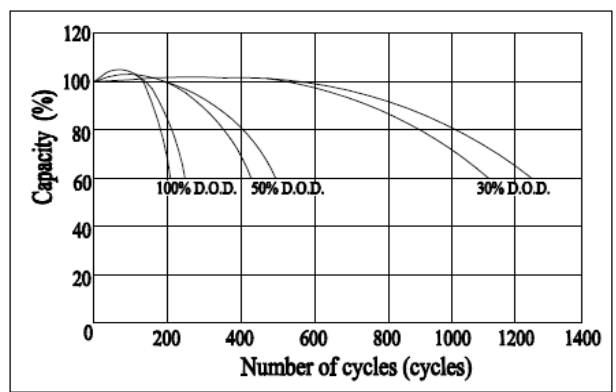
Self-discharge Characteristics



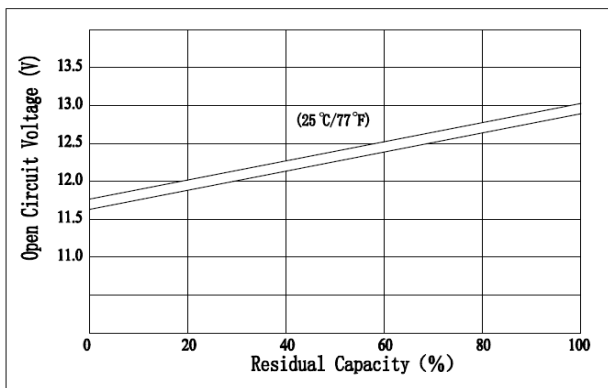
Floating Life on Temperature



Cycle Life on D.O.D(25°C)



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



The Relationship for Charging Voltage and Temperature

