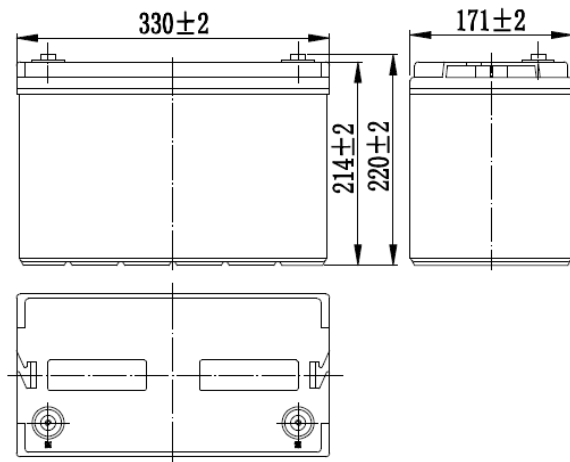


Specifications

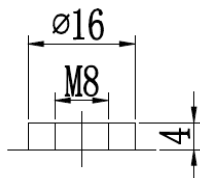
Nominal Voltage		12 V
Number of cell		6 cells
Rated capacity (10HR, 25°C)		110 Ah
Dimension	Length	329 ± 2mm (12.79inch)
	Width	172 ± 2mm (6.77inch)
	Height	218 ± 2mm (8.58inch)
	Total Height	225 ± 2mm (8.85inch)
Approx. Weight		31 kg (68.3lbs) ± 3%



Dimensions



Terminal



Characteristics

Capacity(10HR, 25°C)		110 Ah
Capacity(5HR 25°C)		88.95 Ah
Terminal type		T16
Internal resistance (Fully charged, 25°C)		Approx. 3.5m 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)

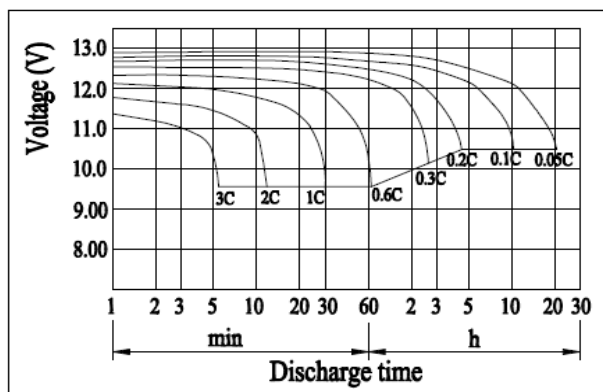
F.V/TIME	15min	30min	60min	90min	2h	3h	5h	8h	10h	20h
1.60V/cell	170.00	102.60	55.50	40.62	37.01	26.36	17.99	12.74	10.37	5.72
1.67V/cell	161.16	100.40	55.09	40.21	36.83	26.23	17.89	12.63	10.21	5.43
1.70V/cell	157.19	99.53	54.69	40.17	36.74	26.16	17.89	12.50	10.06	5.29
1.75V/cell	150.57	97.77	53.89	39.65	36.51	26.00	17.79	12.47	11.00	5.21
1.80V/cell	144.39	95.58	53.48	39.37	36.28	25.86	17.74	12.36	9.83	5.03

Constant Power Discharge Characteristics (Watt, 25°C)

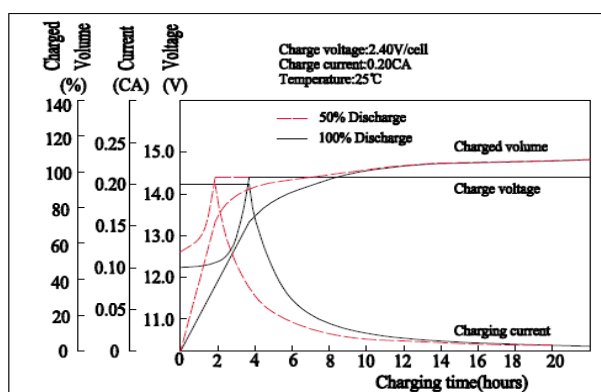
F.V/TIME	15min	30min	60min	90min	2h	3h	5h	8h	10h	20h
1.60V/cell	328.10	204.37	110.72	81.10	74.06	52.75	36.00	25.49	20.76	11.45
1.67V/cell	311.29	200.11	109.92	80.32	73.75	52.57	35.87	25.33	20.48	10.90
1.70V/cell	303.85	198.37	109.25	80.27	73.60	52.45	35.87	25.09	20.23	10.62
1.75V/cell	291.35	195.01	107.91	79.30	73.13	52.16	35.70	25.04	20.07	10.45
1.80V/cell	279.82	190.73	107.24	78.94	72.68	51.90	35.61	24.84	19.76	10.12

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

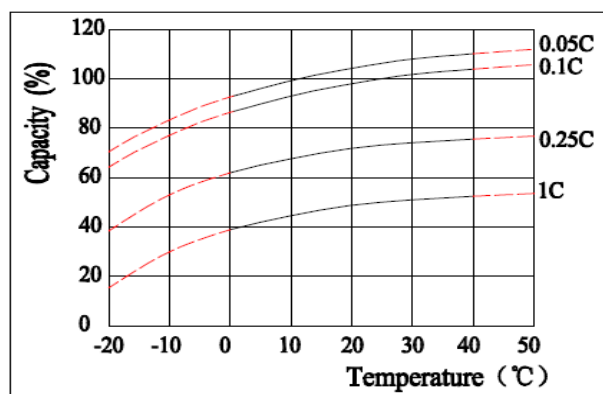
Discharge Characteristics(25°C)



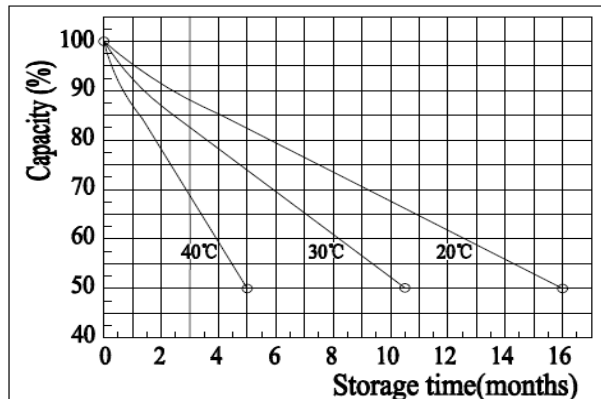
Charging Characteristics(25°C)



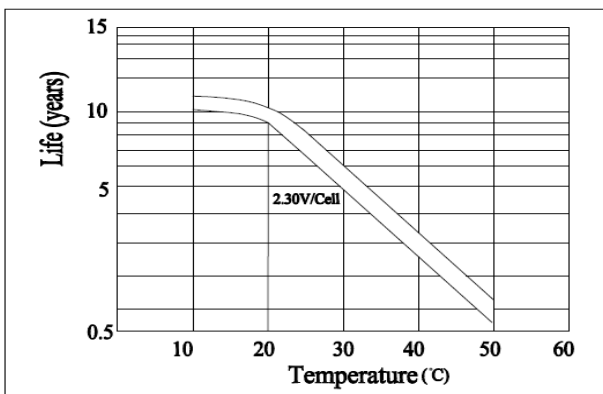
Effect of Temperature on Capacity



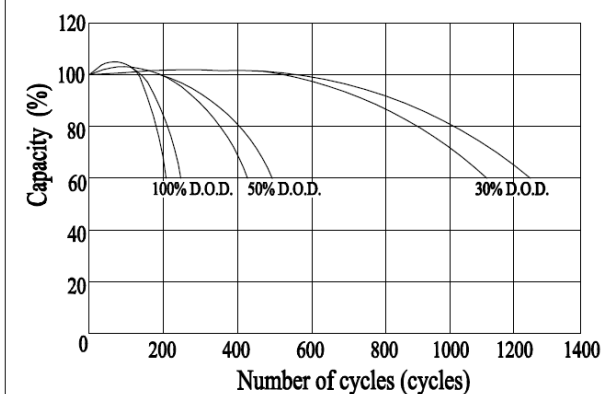
Self-discharge Characteristics



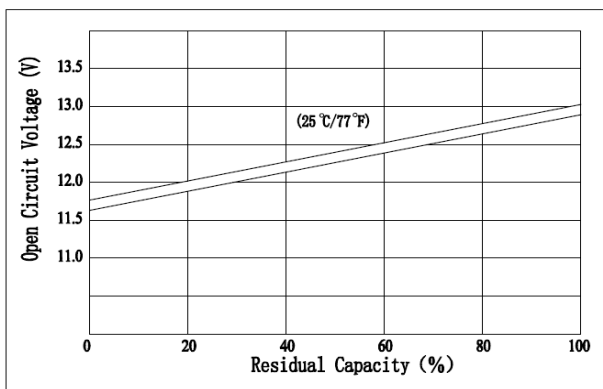
Floating Life on Temperature



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

