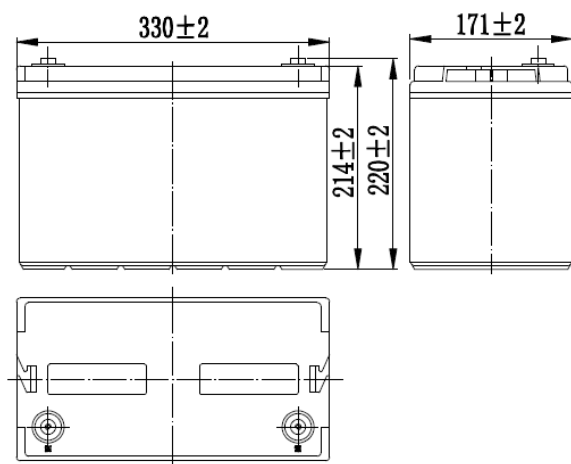


Specifications

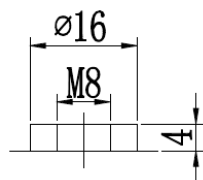
Nominal Voltage		12 V
Number of cell		6 cells
Rated capacity(15min.rate)		390 Watts/cell
Dimension	Length	330 ± 2mm (12.99inch)
	Width	171 ± 2mm (6.73inch)
	Height	214 ± 2mm (8.43inch)
	Total Height	220 ± 2mm (8.66inch)
Approx. Weight		32.7kg (72.1lbs) ± 3%



Dimensions



Terminal



Characteristics

Capacity(20HR, 25°C)		110 Ah
Capacity(15min.rate, 25°C)		390 Watts/cell
Terminal type		T16
Internal resistance (Fully charged, 25°C)		Approx. 4m 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

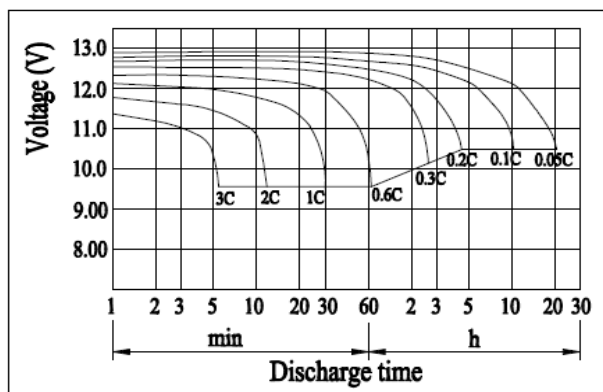
Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	10min	15min	20min	30min	45min	60min	2h	3h	4h	5h	6h
1.60V/cell	255	208	167	118	88.0	71.8	38.4	27.5	22.2	19.3	16.5
1.67V/cell	243	202	160	114	85.2	70.0	38.0	27.3	22.0	19.1	16.3
1.70V/cell	237	196	157	112	83.6	68.9	37.8	27.2	21.9	19.0	16.3
1.75V/cell	227	189	151	110	81.6	67.6	37.2	27.0	21.7	18.9	16.2
1.80V/cell	214	179	143	105	78.6	65.5	36.3	26.2	21.1	18.3	15.7

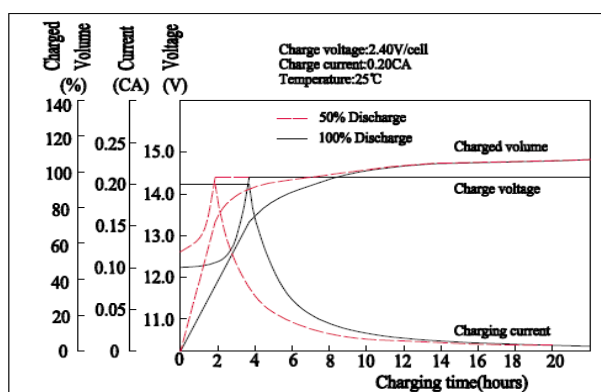
Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	10min	15min	20min	30min	45min	60min	2h	3h	4h	5h	6h
1.60V/cell	479	402	322	228	170	139	74.8	54.2	43.7	38.2	32.7
1.67V/cell	457	390	309	221	164	135	74.2	53.7	43.3	37.8	32.4
1.70V/cell	445	378	303	217	161	133	73.7	53.5	43.1	37.7	32.2
1.75V/cell	426	365	292	211	157	130	72.6	53.2	42.8	37.4	32.0
1.80V/cell	402	346	277	204	152	126	70.8	51.6	41.5	36.3	31.1

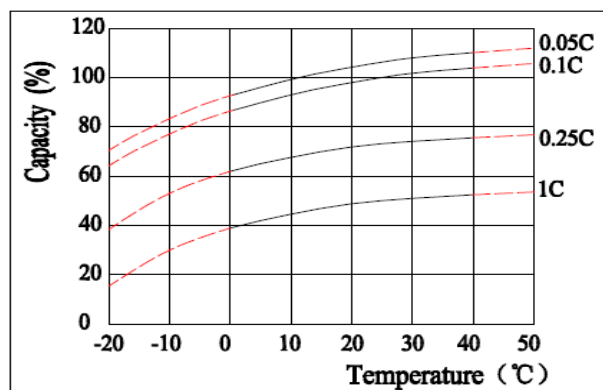
Discharge Characteristics(25°C)



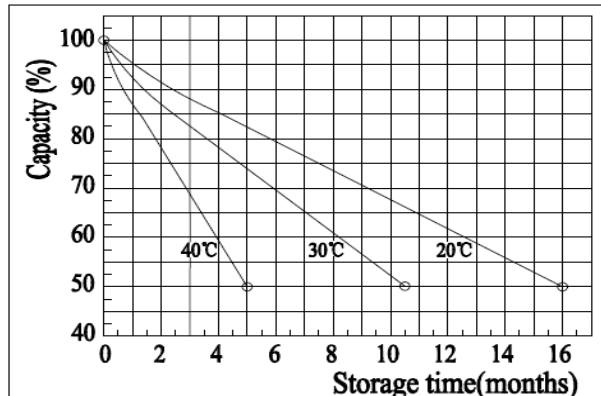
Charging Characteristics(25°C)



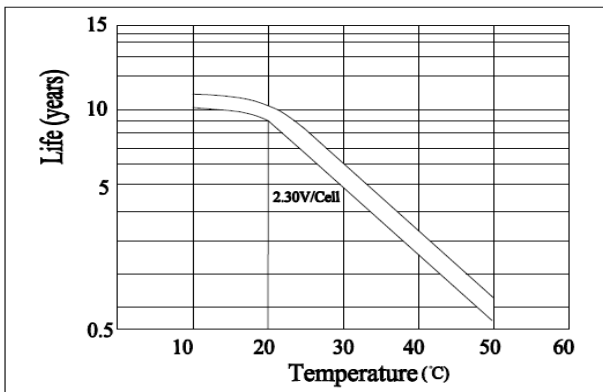
Effect of Temperature on Capacity



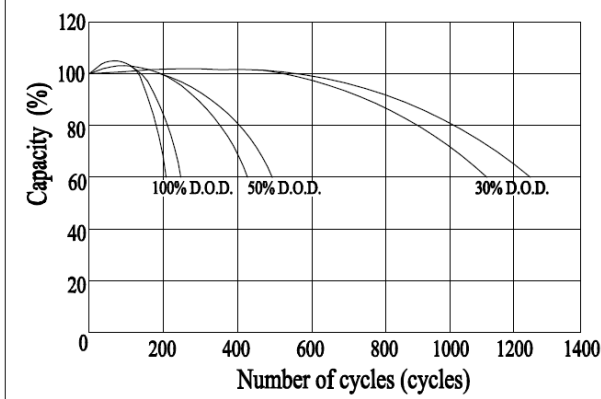
Self-discharge Characteristics



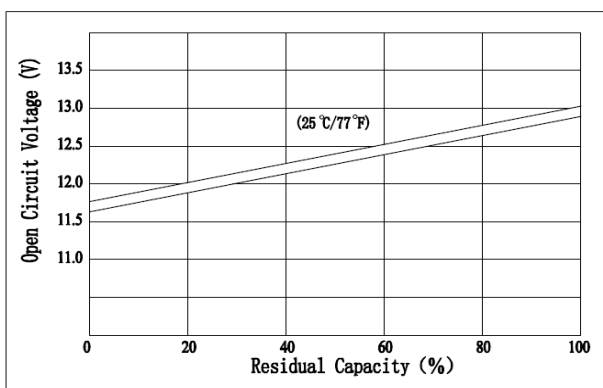
Floating Life on Temperature



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

