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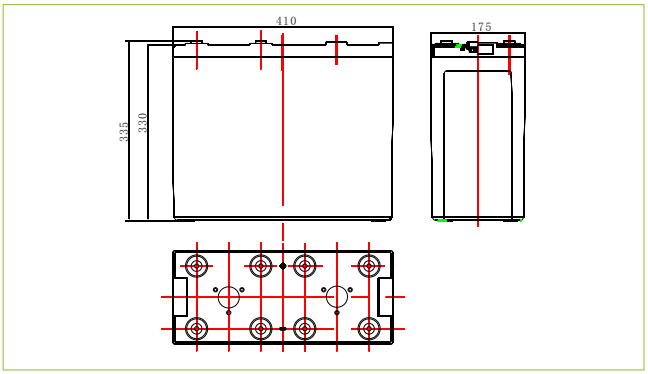


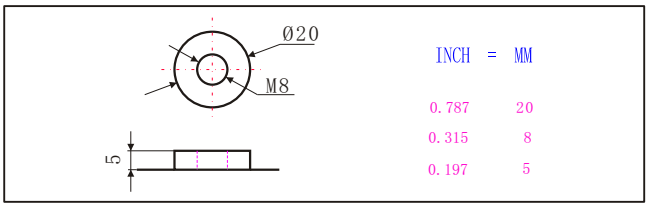
Specifications

Nominal Voltage		2V
Rated Capacity(10 hour rate)		800AH
Dimension	Total Height (with terminals)	365mm(14. 37inches)
	Height	330mm(12. 99inches)
	Length	410mm(16. 14inches)
	Width	175mm(6. 89inches)
Weight		Approx.55kg(121. 15lbs)

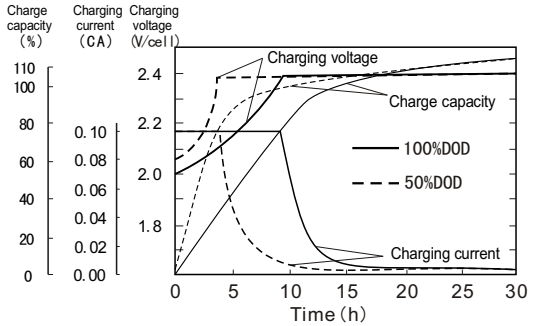
Characteristics

Capacity 77°F(25℃)		120 hour rate (8. 0A)	960AH
		20 hour rate (44A)	880AH
		10 hour rate (80A)	800AH
Internal Resistance		Full charged Battery 77°F(25℃)	0. 2mΩ
Self - Discharge 77°F(25℃)		Capacity after 3 month storage	95%
		Capacity after 6 month storage	85%
		Capacity after 12 month storage	80%
Max. Discharge Current 77°F(25℃)		8000A(5S)	
Terminal	Standard	F4	
	Optional		
Charging (Constant Voltage)	Cycle	Initial Charging Current 240A or small 2.4V~2. 48V/77 °F(25℃)	
	Float	2.25V~2.3V/77 °F(25℃)	

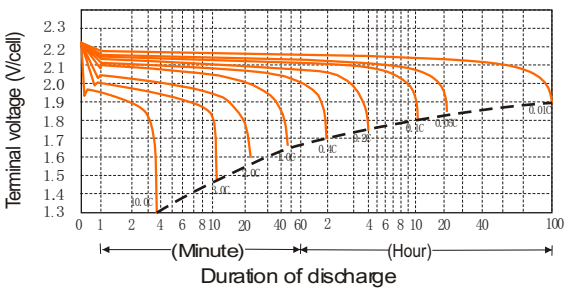
Terminal (F4)



Charge characteristics 77°F(25℃)



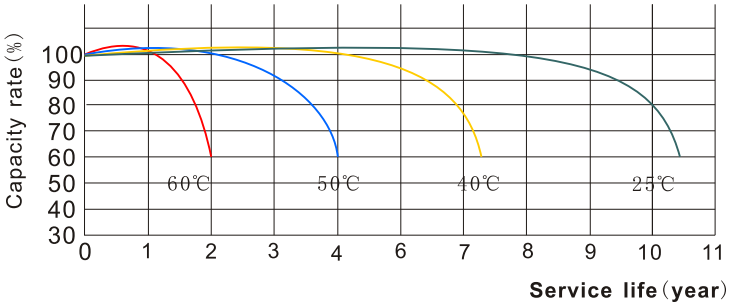
Discharge characteristics77°F(25℃)



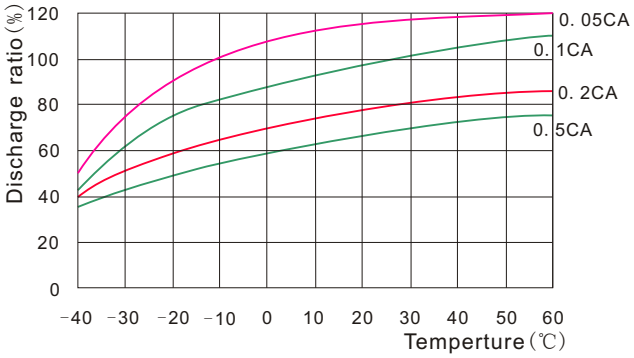
Discharge current and final discharge voltage

Discharge current(A)	Final discharge voltage(V/cell)
0. 05C or below or intermittent discharge	1. 9
0. 05C of current close to it	1. 85
0. 1C of current close to it	1. 8
0. 2C of current close to it	1. 75
From 0. 2C to 0. 5C	1. 7
From 0. 5C to 1C	1. 6
From 1C to 3C	1. 5
Current in excess of 3C	1. 3

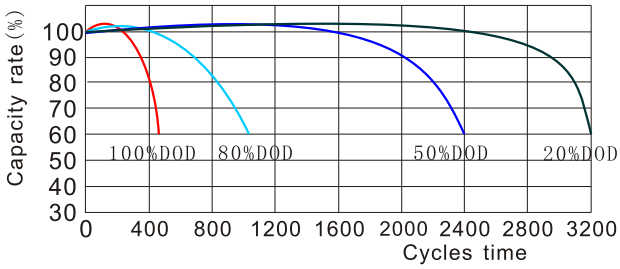
Temperture and float service life



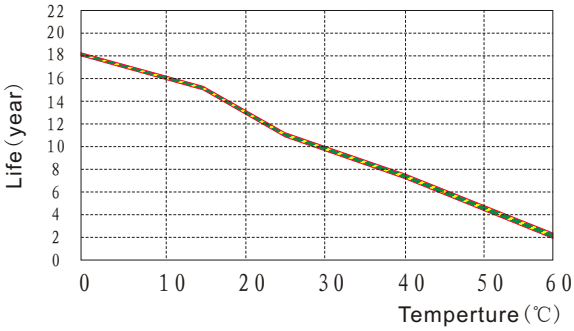
Temperture and discharge capacity



Cycle life curves (25℃)



Float service life



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Constant Current Discharge Characteristics Units: Amperes (25°C, 77°F)

End voltage per cell	5min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.60V	2162	1379	909	684	559	334	242	188	160	138	104	84. 0	70. 8	44. 2	37. 1
1.67V	1861	1250	842	648	542	318	230	186	152	136	102	82. 4	70. 8	44. 2	37. 1
1.70V	1778	1212	846	640	523	314	226	185	151	135	102	81. 6	70. 8	44. 1	37. 0
1.75V	1616	1134	784	615	506	302	219	180	146	132	100	80. 8	70. 2	44. 1	36. 9
1.80V	1429	1039	754	593	485	291	216	177	143	129	97. 6	80. 0	68. 6	44. 0	36. 7
1.83V	1247	950	697	551	458	278	208	170	137	124	94. 4	77. 6	66. 8	43. 8	35. 7
1.85V	1066	860	640	510	433	266	200	163	131	120	91. 2	75. 4	64. 9	43. 8	34. 6

Discharge Data with Constant Power Units：Watts per cell (25°C, 77°F)

End voltage per cell	5min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.60V	3585	2414	1652	1259	1043	637	464	361	307	270	204	166	139	86. 4	72. 5
1.67V	3202	2250	1546	1205	1016	617	453	359	298	266	200	162	139	86. 4	72. 5
1.70V	3099	2192	1504	1192	987	601	434	357	292	265	199	161	138	86. 3	72. 4
1.75V	2861	2061	1454	1155	960	581	424	351	285	261	195	159	138	86. 2	72. 3
1.80V	2594	1899	1405	1118	924	562	419	345	278	257	192	158	135	85. 6	72. 2
1.83V	2290	1758	1312	1048	878	541	405	334	268	250	186	154	132	85. 6	70. 3
1.85V	1987	1618	1219	978	832	520	390	322	258	242	179	150	129	84. 8	68. 6