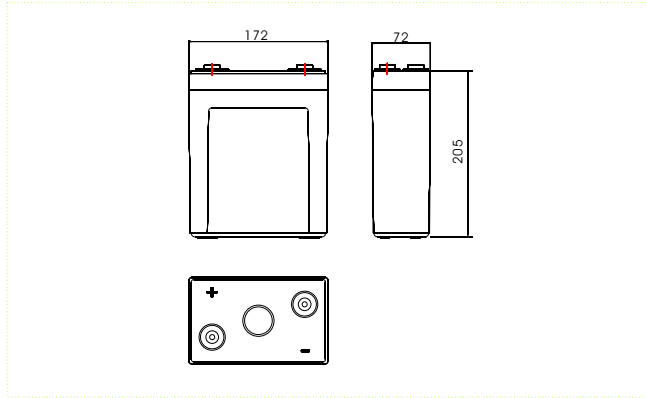


CNFJ-100



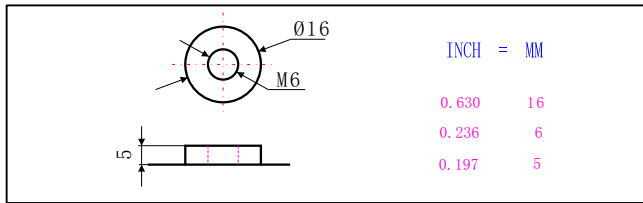
Specifications

Nominal Voltage		2V
Rated Capacity(10 hour rate)		100AH
Dimension	Total Height (with terminals)	210mm(8.27inches)
	Height	205mm(8.07inches)
	Length	172mm(6.77inches)
	Width	72mm(2.83inches)
Weight		Approx.5.25kg(11.56lbs)

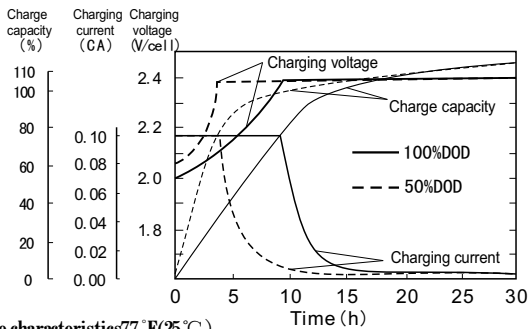
Characteristics

Capacity 77°F(25°C)	120 hour rate (1.2A)	120AH
	20 hour rate (5.4A)	108AH
	10 hour rate (10A)	100AH
Internal Resistance	Full charged Battery 77°F(25°C)	0.6mΩ
Self - Discharge 77°F(25°C)	Capacity after 3 month storage	95%
	Capacity after 6 month storage	85%
	Capacity after 12 month storage	80%
Max. Discharge Current 77°F(25°C)	1000A(5S)	
Terminal	Standard	F3
	Optional	
Charging (Constant Voltage)	Cycle	Initial Charging Current 20A or small 2.35V~2.40V/77°F(25°C)
	Float	2.25V~2.30V/77°F(25°C)

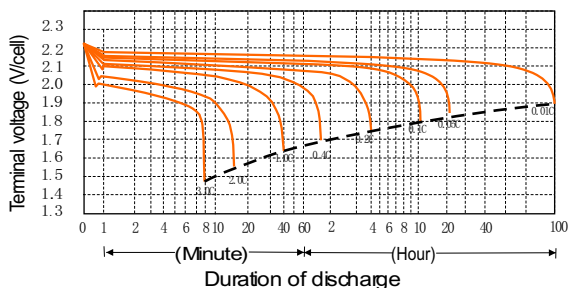
Terminal (F3)



Charge characteristics 77°F(25°C)



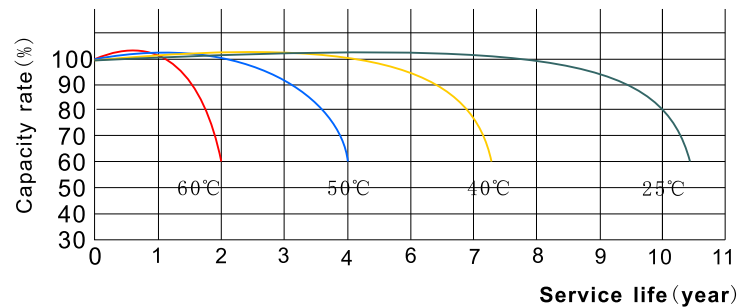
Discharge characteristics 77°F(25°C)



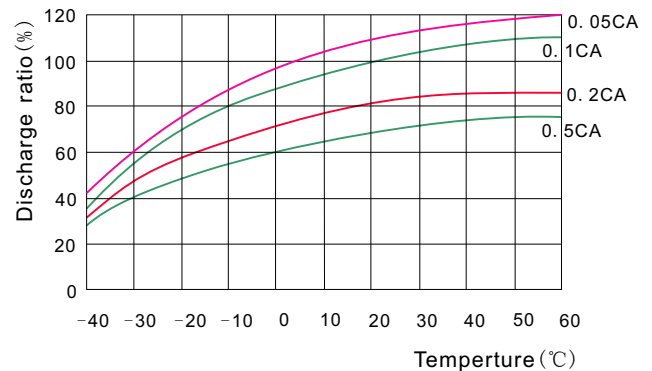
Discharge current and final discharge voltage

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

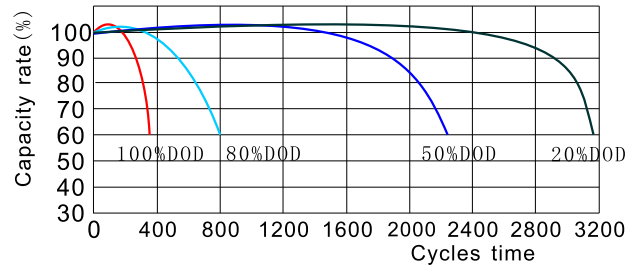
Temperature and float service life



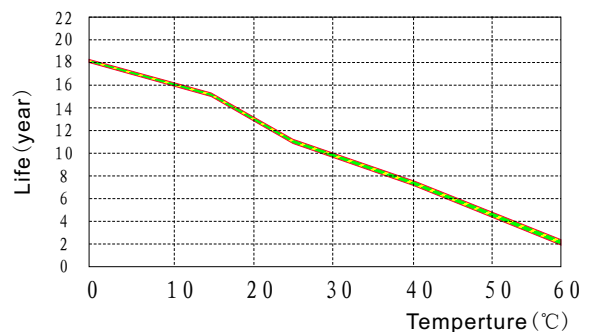
Temperature and discharge capacity



Cycle life curves (25°C)



Float service life



CNFJ-100

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	270	172	113	85.5	69.9	41.7	30.3	23.5	20.0	17.2	13.0	10.5	8.85	5.53	4.63
1.67V	232	156	105	81.0	67.7	39.8	28.8	23.3	19.0	17.0	12.8	10.3	8.85	5.53	4.63
1.70V	222	151	102	80.0	65.4	39.2	28.2	23.1	18.9	16.9	12.7	10.2	8.85	5.52	4.62
1.75V	201	141	98.0	76.9	63.3	37.7	27.4	22.5	18.3	16.5	12.5	10.1	8.77	5.52	4.61
1.80V	178	129	94.3	74.1	60.6	36.4	27.0	22.1	17.9	16.1	12.2	10.0	8.58	5.50	4.59
1.83V	155	118	87.1	68.8	57.3	34.8	26.0	21.2	17.1	15.5	11.8	9.70	8.35	5.48	4.46
1.85V	133	107	80.0	63.7	54.1	33.3	25.0	20.4	16.4	15.0	11.4	9.43	8.11	5.47	4.33

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	448	301	206	157	130	79.6	58.0	45.0	38.4	33.7	25.5	20.7	17.4	10.8	9.06
1.67V	400	281	193	150	127	77.1	56.6	44.9	37.2	33.3	24.9	20.3	17.4	10.8	9.06
1.70V	387	273	188	149	123	75.1	54.3	44.6	36.5	33.0	24.9	20.1	17.4	10.8	9.05
1.75V	357	257	181	144	120	72.6	53.0	43.9	35.6	32.6	24.4	19.8	17.4	10.8	9.04
1.80V	324	237	175	139	115	70.2	52.4	43.1	34.7	32.1	24.0	19.7	16.9	10.7	9.02
1.83V	286	219	163	131	109	67.6	50.6	41.7	33.5	31.2	23.2	19.2	16.5	10.7	8.79
1.85V	248	202	152	122	104	64.9	48.8	40.2	32.2	30.3	22.4	18.7	16.1	10.6	8.57