

# 6-CNFJ-100

CNFJ Series VRLA Gel Battery

ALLGRAND®

Power the World

奥冠储能  
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## Applications

- Solar or Wind Powered Lamp
- Traffic Light, Traffic Surveillance
- Signaling Systems of Railway, Airport, and etc.
- Beacon, Vessel
- Hybrid Solar/Wind Off-Grid Power

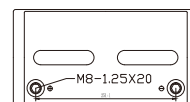
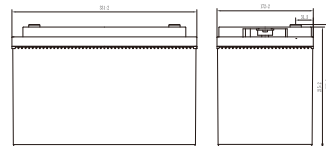
## Highlights

- Long life design(up to 8 years)
- Direct-burial design with water-proof lead wires
- High specific energy, low IR & self discharge
- Higher reaction efficiency and conformity
- Longer cycle life when undercharged

## Features

- Cycle life is prolonged by our proprietary corrosion resistant alloy;
- High-purity electrolytes and special agents reduce water loss;
- Impacts from earthquakes are reduced by compact seismic ABS jars and covers ;
- Delicate seal technologies protect the battery from electrolyte leakage and creepage ;
- Water-proof lead wires makes them direct-burial batteries
- The delicate construction of self-relief valves can avoid bulges and cracks.

## Dimensions



L : 331mm  
W : 172mm  
H : 215mm  
TH : 220mm

## Certifications



## Specifications

Model	6-CNFJ-100	
Design Life	8 years	
Nominal Capacity	20HR(5.4A,1.80V)	108Ah
	10HR(10A,1.80V)	100Ah
	3HR(27A,1.80V)	81Ah
	1HR(55A,1.80V)	55Ah
Internal Resistance	4.8mΩ(Full Charge)	
Self Discharge	≤3% per month	
Charge Voltage	Cycle Use	Standby Use
	2.40V/Cell (-4mV/°C/Cell) Max. Charge Current:15A	2.27V/Cell (-3mV/°C/Cell)

Note: Data contained herein are measured at 25°C

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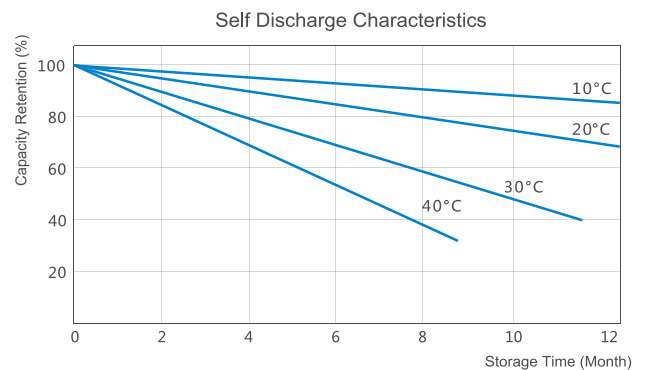
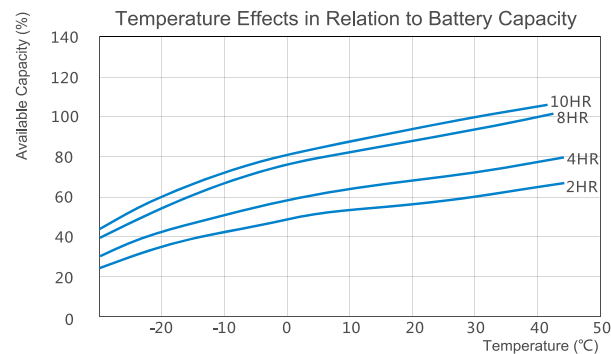
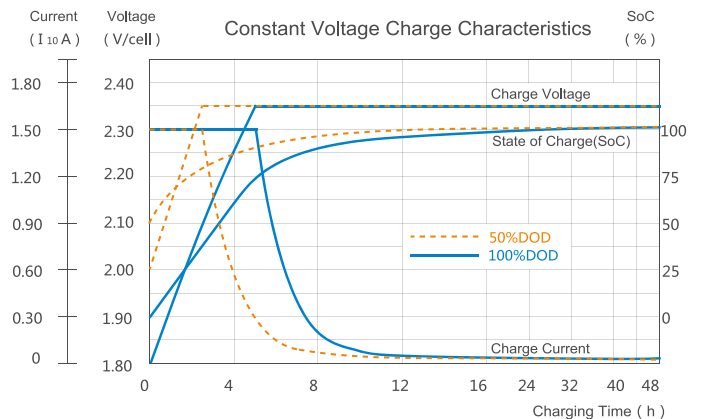
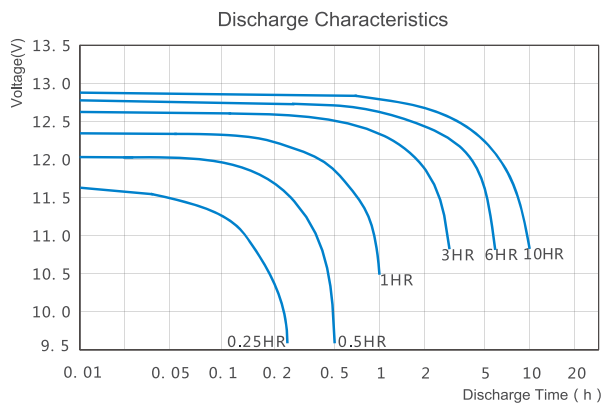
## Constant Current Discharge Rate (A, 25°C)

Model	F.V. (V/Cell)	Minute						Hour									
		5	10	15	20	30	45	1	2	3	4	5	6	8	10	20	
6-CNFJ-100	1.85	81.6	63.3	54.4	49.2	38.3	29.6	20.9	13.0	9.9	7.64	6.45	5.59	4.43	3.78	1.96	
	1.80	96.6	76.1	60.0	53.1	41.7	31.0	21.8	13.2	10.1	7.82	6.61	5.71	4.52	3.92	2.00	
	1.75	106	86.1	67.2	55.8	43.8	32.2	22.5	13.4	10.2	7.92	6.68	5.76	4.61	3.98	2.02	
	1.70	109	90.0	72.2	57.8	44.9	32.7	23.1	13.6	10.4	8.09	6.85	5.91	4.69	4.10	2.05	
	1.67	113	93.9	74.4	58.7	45.3	32.9	23.6	13.9	10.7	8.35	7.03	6.03	4.76	4.15	2.08	
	1.60	119	101	77.8	59.6	45.7	33.0	24.0	14.2	10.9	8.55	7.22	6.14	4.84	4.18	2.10	

## Constant Power Discharge Rate (Watt/Cell, 25°C)

Model	F.V. (V/Cell)	Minute						Hour									
		5	10	15	20	30	45	1	2	3	4	5	6	8	10	20	
6-CNFJ-100	1.85	142	116	100	87.0	70.2	55.5	40.7	25.4	19.6	15.2	13.1	11.5	8.80	7.64	4.38	
	1.80	158	130	110	95.1	75.0	57.8	41.3	25.7	19.8	15.4	13.3	11.6	9.12	7.72	4.43	
	1.75	170	142	117	101	78.2	58.7	41.8	26.0	19.9	15.5	13.6	11.7	9.22	7.83	4.51	
	1.70	176	151	123	104	80.2	59.6	42.6	26.4	20.1	15.6	13.7	11.9	9.34	8.09	4.55	
	1.67	183	155	126	106	81.0	60.0	43.9	26.9	20.4	16.0	13.8	12.0	9.45	8.14	4.57	
	1.60	191	161	130	107	81.7	60.6	45.2	27.6	20.6	16.3	13.9	12.2	9.53	8.18	4.59	

## Performance



Disclaimer: All data presented above are subject to change without further notice. Please contact ALLGRAND for latest updates.