



# CNJ-300

## 2V300Ah

Edition:2016.6  
By Frank

**FUWEI**  
**ENERGY**

<http://www.fwny.net/en/>

Component	Positive	Negative	Container	Cover	Safety Valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	AGM	GEL

To get the most out of your eco-friendly renewable energy system for home, RV or back-up power, you need a rugged, long-lasting solar photovoltaic (solar PV) battery from FUWEI energy. A high-capacity solar battery is perfect for backup systems, off-grid configurations and other applications that call for deep-cycle storage. Choose from absorbed glass mat (AGM) and gel-cell batteries for all your solar application needs.

### Performance characteristics

Nominal Voltage 2V

Number of cell one

Nominal Capacity at 25 °C/77 °F

240Hr at 1.40 A to 1.9V-- 337 Ah

100Hr at 3.27 A to 1.85V-- 327 Ah

10Hr at 30 A to 1.8V-- 300 Ah

Internal Resistance

Fully charged battery at 25 °C

≤ 0.75 mΩ

Average Self-discharge at 20 °C/68 °F

<3% lost of capacity per month

Operating Temperature range:

Discharge at -40~70 °C

Charge at -10~60 °C

Storage at -20~60 °C

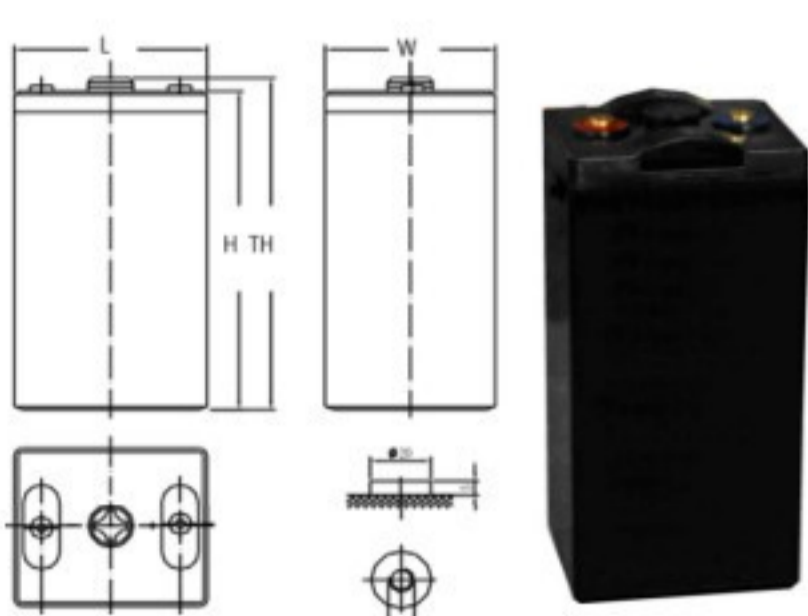
Charge Methods constant voltage charge at 25 °C

Cycle use--2.4~2.45V/cell;

Maximum initial charging current 60 A

Temperature compensation

-5mV/cell/ °C



	mm/Kg	inch/lb
Length	171	6.73
Width	152	5.98
Height	332	13.1
TH	342	13.5
Weight	19.5	43.0
Terminal	F10	M8

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### Constant Power discharge / WPC (25°C/77°F)

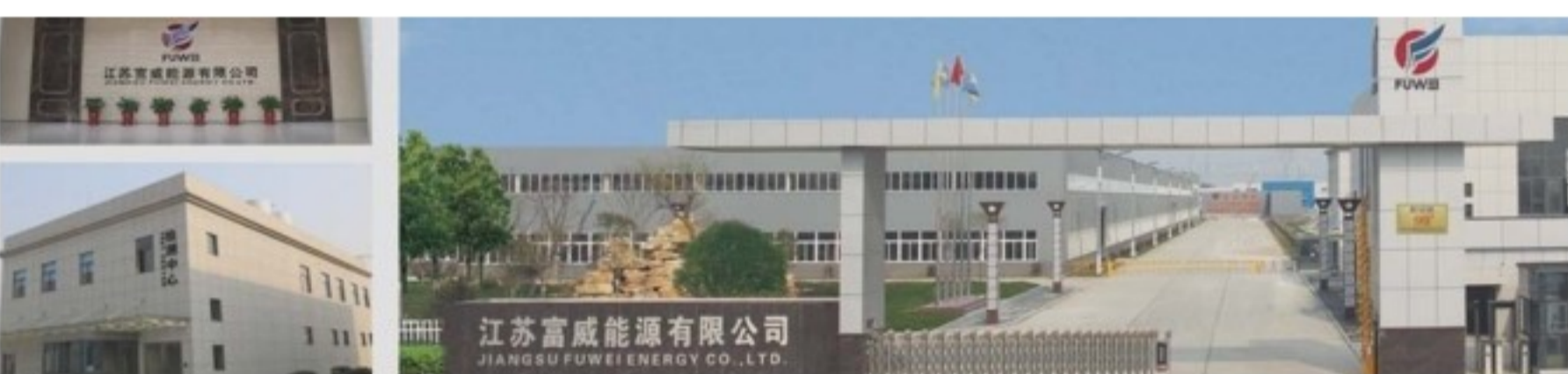
End voltage/cell	3 h	5 h	10 h	20 h	50 h	100 h	120 h	240 h
1.75V	147	102	61.3	32.3	13.3	6.95	5.87	3.07
1.80V	141	98.1	60.0	31.4	13.0	6.81	5.70	3.01
1.85V	136	94.7	58.0	30.3	12.6	6.58	5.50	2.89
1.90V	131	91.4	56.2	29.0	12.2	6.38	5.26	2.80

### Constant current discharge / A (25°C/77°F)

End voltage/cell	3 h	5 h	10 h	20 h	50 h	100 h	120 h	240 h
1.75V	81.7	54.5	30.9	16.4	6.81	3.51	2.98	1.57
1.80V	78.9	52.6	30.0	15.9	6.61	3.40	2.89	1.52
1.85V	75.7	50.5	28.8	15.3	6.35	3.27	2.77	1.46
1.90V	72.7	48.5	27.6	14.7	6.10	3.14	2.66	1.40

Note: The above characteristics data are average values obtained within three charge/discharge cycles not the minimum

All data shall be changed without notice. FUWEI reserves the right to explain and update the information contained hereinto



### Application

- Telecom Systems
- Electric Wheelchair
- Solar System
- Marine Equipment
- Wind Power System
- Emergency Power System
- Wheelchair

### General Features

- Environmentally friendly
- Long Service Life, in Cyclic
- Lower internal Resistance
- High Reliability and Good Quality
- International Standard, JIS and DIN
- High Power Density
- lead-tin-calcium alloy grids for long service life
- Thick pasted plates with high quality

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