



# 6-CNJ-180

## 12V180Ah

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	Wire	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 0.91 A to 1.9V-- 217 Ah

100Hr at 2.11 A to 1.85V-- 211 Ah

10Hr at 18 A to 1.8V-- 180 Ah

Internal Resistance

Fully charged battery at 25 °C

≤ 4.5 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

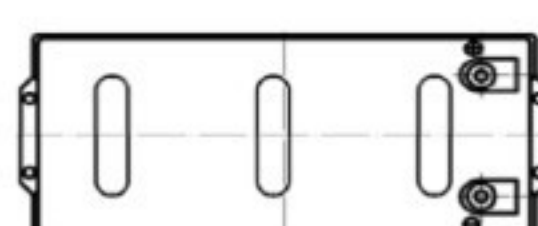
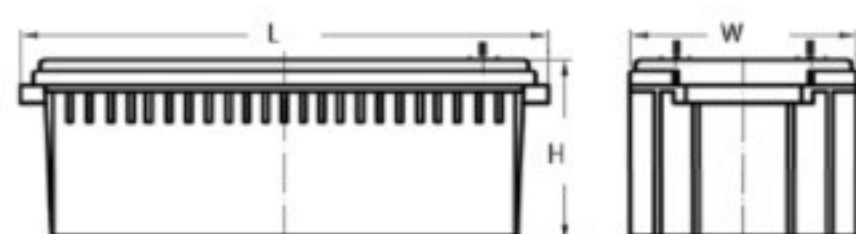
Charge Methods constant voltage charge at 25 °C

Cycle use--2.4~2.45V/cell;

Maximum initial charging current 24 A

Temperature compensation

-5mV/cell/ °C



	mm/Kg	inch/lb
Length	522	20.55
Width	240	9.45
Height	218	8.6
TH	243	9.6
Weight	54	119.0
Terminal	φ 6.0mm*1.5m	Wire

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

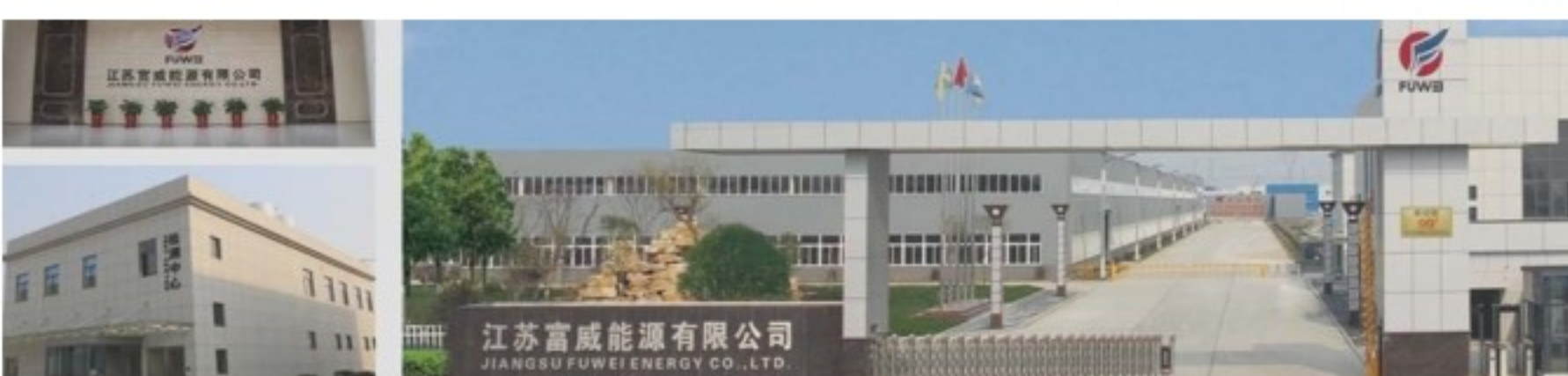
End voltage/cell	3 h	5 h	10 h	20 h	50 h	100 h	120 h	240 h
1.75V			32.7	15.6	6.79	3.17	2.82	1.49
1.80V			32.3	15.3	6.72	3.17	2.78	1.47
1.85V			31.1	14.8	6.49	3.06	2.69	1.42
1.90V			30.1	14.3	6.28	2.99	2.59	1.37

### 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			18.3	8.70	4.34	2.23	1.90	1.001
1.80V			18.0	8.55	4.27	2.20	1.86	0.983
1.85V			17.3	8.21	4.10	2.11	1.79	0.944
1.90V			16.6	7.88	3.93	2.02	1.72	0.906

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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