



ENERGY

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

Performance characteristics

Nominal Voltage 2V

Number of cell one

Nominal Capacity at 25 °C/77 °F

20Hr at 10.0 A to 1.75V-- 200 Ah

5Hr at 36.5 A to 1.75V-- 183 Ah

1Hr at 125 A to 1.6V-- 125 Ah

Internal Resistance

Fully charged battery at 25 °C

≤ 0.8 mΩ

Average Self-discharge at 20 °C/68 °F

<3% lost of capacity per month

Operating Temperature range:

Discharge at -20~60 °C

Charge at -10~60 °C

Storage at -20~60 °C

Max. discharge current at 25 °C: 2000 A(5s)

Charge Methods constant voltage charge at 25 °C

Cycle use---2.4~2.45V/cell;

Maximum initial charging current 40 A

Temperature compensation

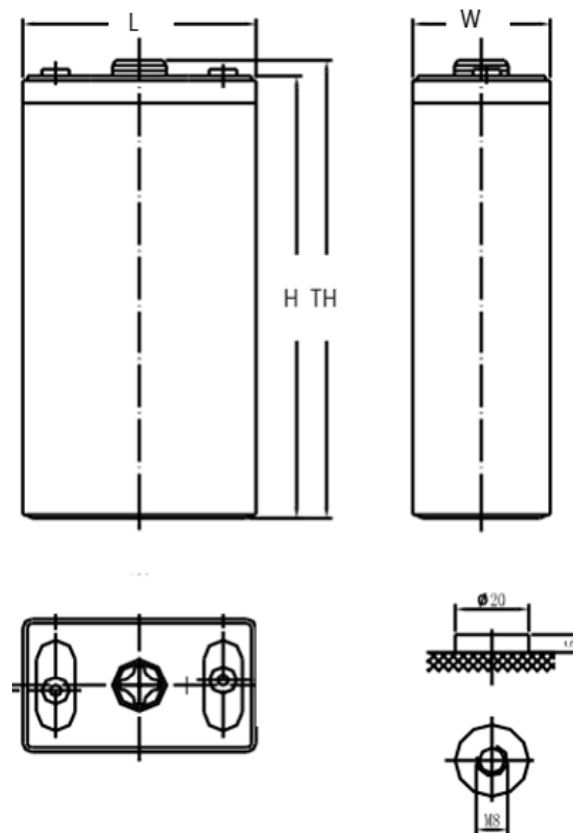
-5mV/cell/ °C

Standby use---2.25~2.30V/cell

Temperature compensation

-3mV/cell/ °C

	Length	Width	Height	Total H	Weight	Terminal
mm/Kg	171	106	332	342	12.6	F10
inch/lb	6.7	4.17	13.07	13.46	27.7	M8





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You can expect our batteries meet with the standards JIS, DIN, IEC60986-21/22 & BS6290-4.

Discharge Data

Discharge Constant Current (Amperes at 77°F /25°C)							
End Point Volts/Cell	15min	30min	45min	1h	3h	5h	20h
1.60V	295	197	163	125	56.9	39.5	10.8
1.65V	281	188	156	121	55.1	38.6	10.7
1.70V	266	179	149	116	53.2	37.6	10.5
1.75V	251	170	142	111	51.1	36.5	10.0
1.80V	236	161	135	105	48.8	35.2	9.80
Discharge Constant Power per cell (Watts at 77°F /25°C)							
End Point Volts/Cell	15min	30min	45min	1h	2h	3h	5h
1.60V	527	382	310	246	147	107	78.4
1.65V	501	366	300	236	143	105	77.0
1.70V	475	350	290	225	138	102	75.5
1.75V	448	333	281	214	133	98.5	73.9
1.80V	422	317	273	202	127	95.2	72.1

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

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

Application

- UPS
- Telecom Systems
- Electric Wheelchair
- Power Station
- Military Equipment
- Emergency Power System
- Railway System

General Features

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





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