

# Lithium Battery Innovation

for Multi-industry Digitalization  
and Intelligentization



CHANGZHOU YUFENG  
BATTERY CO., LTD.



[www.henlimax.com](http://www.henlimax.com)

– Henli Max CP603448  
3.0V 2300mAh  
+ 2301

Build the world top primary  
lithium battery brand, strive  
to lead the industry with  
Yufeng strength.

YUFENG VISION

## Foresight

We do our best in the present  
while planning far for the future.

## Innovation

We embrace innovation while  
moving steadily forward.

## Responsibility

We bravely climb up while remain-  
ing true to our original aspiration.



YuFeng Battery Company Ltd (Yufeng), founded in **Changzhou, Jiangsu Province in 2001**, is a wholly- owned subsidiary of Yufeng Electrical Company Ltd. Yufeng is a National High-Tech Enterprise and a National "Little Giant" Enterprise specializing in the R&D, the Manufacturing and the Sales of primary lithium batteries. Located at the Photovoltaic Industrial Park in Changzhou High-tech zone with a building area of 32000m<sup>2</sup> and over 300 employees, Yufeng now produces over 40 models of primary lithium batteries with an annual output of nearly 500 million pieces.

## The Expert in Primary Lithium Battery Field

With "R&D" , "Manufacturing" and "Service" as the core power engine , YUFENG has been deeply engaged in the primary lithium battery **industry for about 25 years. We will never stop, keep up with the times, let us meet at the peak!**

### 2001

Founded in Changzhou, Jiangsu

### 25

25 Years of Devotion

### 50

Total 50 Patents, including 4 Invention Patents



## Customers Around the World

Over the past 25 years, Yufeng has always adhered to technology innovation, lean production and systematic management. We successfully established several industrial reputation brands such as **Henli Max**, **NSN**, **SUYU MAX** and has passed the evaluation of Provincial Li/MnO<sub>2</sub> Battery Engineering Technology Research Center, Provincial Enterprise Technology Center and Municipal Industrial Design Center. Yufeng has significant competitive advantages at both the high-drain and the low-drain electronic products. Our batteries are widely used in the industries like Electronic Shelf Labels, Intelligent Transportation, Smart Security, Instrumentation, Consumer Electronics, Wisdom Medical, etc. and has won unanimous recognition along with long-term support from our global customers.

Over 50% of our products are exported to the US, EU, UK, Canada, Japan, South Korea, Singapore, Brazil, India and other countries and regions. Yufeng provides customized primary lithium battery solutions to ensure the best customer experience.

Yufeng Industrial Reputation Brands

**Henli Max**

**NSN**

**SUYU Max**



# Development

## • 2025

Rated as the "Jiangsu Advanced-level Smart Factory".

## • 2024

Established the Municipal Industrial Design Center.

Established the Provincial Enterprise Technology Center.

Rated as the "Changzhou Green Factory".

## • 2023

Rated as the National "Little Giant" Enterprise.

Established the Provincial Li/MnO<sub>2</sub> Battery Engineering Technology Research Center.

## • 2022

Rated as Municipal "High-Tech Zone Gazelle" Enterprise.

Rated as "3-Star Cloud" Enterprise.

Established the Li/MnO<sub>2</sub> Battery Technology Center in Xinbei District and passed the evaluation of Municipal Enterprise Technology Research Center.

Rated as Provincial "Little Giant" Enterprise.

## • 2020

Rated as the National "High-Tech Enterprise".

## • 2013

"Henli Max" Trademark was rated as Municipal Well-Known Trademark and the battery of the brand was rated as the **Municipal Famous Products**.

## • 2012

CR 2450, CR 2477 were rated as Provincial "High-Tech Products".

## • 2010

The High-drain Button battery was successfully developed, and the large current pulse capacity reached the world's top level.

## • 2007

Rated as the "Municipal Private High-Tech" and the "Municipal Environmental Friendly" Enterprise.

**15 of the most advanced self-developed auto-assembly lines in China** had been put into use.

## • 2006

Passed the Certifications of RoHS, UL, UN38.3, etc.

## • 2001

Founded.



## R&D Strength

- An Independent R&D Lab with an area of 800m<sup>2</sup>.
- An R&D Team with Over 35 Coworkers.
- Obtained 50 patents in total, including 4 invention patents.
- The Member of the Lithium Battery Branch of the China Industrial Association of Power Sources.
- Professional R&D and Test equipments, including High Precision Battery Testing System, Atomic Absorption Spectrophotometer, Muffle Furnace, Programmable Constant Temperature and - Humidity Test Chamber, RoHS Test Instrument, etc.
- The Council Member of E-paper Industry Alliance.
- The Member of World AIoT Innovation Alliance.

## Production Quality Management

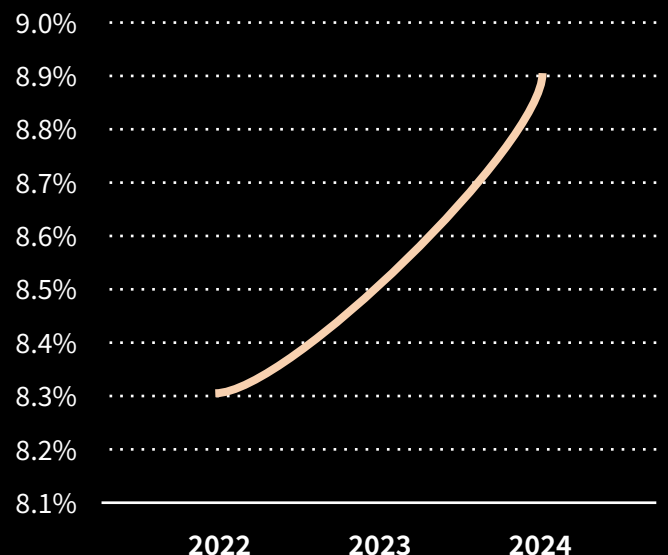
- ISO9001 Certificate of Quality Management System.
- ISO14001 Certificate of Environmental Management System.
- ISO45001 Certificate of Occupational Health and Safety
- IATF 16949 Certificate of Quality Management System.
- 6S Production Management System.
- DMSP Quality Control Optimization System.
- Certificates of UL, UN38.3, RoHS, REACH, etc.
- ISO 50001 Energy Management System.
- ISO 37001 Anti-Bribery Management System.
- GB/T39604 Social Responsibility Management System.

# Best Primary Lithium Battery Solution Provider for Multi-industry Digitalization and Intelligentization

Yufeng has broken the power bottleneck of traditional lithium battery through our own research and innovation. We successfully manufactured the high-drain lithium button battery that can easily carry the products with **50mA pulse working current, meanwhile** possessing the advantages of great safety, high capacity, long storage life, etc. The products' main purpose is to supply power for RF transmission of IoT signals.

At present, Yufeng as the major supplier of the **global TOP 5 ESL manufacturers, accounts for about 50% of the market share in the ESL** industry. We have further become the World's Leading manufacturer of the high-drain lithium **RF cell batteries. We provide the high-quality** micro-power solutions for the IoT Industry and aim to promote the development of the new digital era.

## Lithium Button Battery Global MKT Share Growth Trend



# Li/MnO<sub>2</sub> Button Battery CR Series

Strong large current  
working performance

Break the power bottleneck of  
traditional lithium battery  
through our own research and  
innovation.

Excellent anti-leakage  
performance

Independently designed and  
optimized battery structure to  
ensure the anti-leakage  
characteristics of the battery.

Superior long storage  
performance

The independently developed  
special sealing technology  
ensures a long storage life of the  
battery.



Personal  
Computers



Electronic Shelf  
Labels



Toys



E-Watches



POS



Domestic  
Medical  
Equipments



Instruments  
and Apparatus



Security and  
Protection  
Monitoring



# Li/MnO<sub>2</sub> Button Battery CR Series

No.	Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Nominal Current (mA)	Max Pulse Current (mA)	Diameter (mm)	Height (mm)	Operating Temperature (°C)	Weight (g)
1	CR920	3.0	25	0.1	5	9.5	2.1	-20~60°C	0.5
2	CR1025	3.0	30	0.1	5	10.0	2.5	-20~60°C	0.6
3	CR1212	3.0	20	0.1	5	12.5	1.2	-20~60°C	0.6
4	CR1216	3.0	35	0.1	5	12.5	1.6	-20~60°C	0.7
5	CR1220	3.0	40	0.1	5	12.5	2.0	-20~60°C	0.8
6	CR1225	3.0	50	0.1	5	12.5	2.5	-20~60°C	0.9
7	CR1616	3.0	55	0.2	5	16.0	1.6	-20~60°C	1.1
8	CR1620	3.0	70	0.2	5	16.0	2.0	-20~60°C	1.2
9	CR1632	3.0	130	0.2	10	16.0	3.2	-20~60°C	1.9
10	CR2016	3.0	90	0.2	10	20.0	1.6	-20~60°C	1.9
11	CR2025	3.0	165	0.5	15	20.0	2.5	-20~60°C	2.5
12	CR2032	3.0	250	0.5	25	20.0	3.2	-30~85°C	3.0
13	CR2330	3.0	280	0.5	20	23.0	3.0	-30~85°C	4.0
14	CR2354	3.0	560	1	20	23.0	5.4	-30~85°C	5.8
15	CR2412	3.0	100	0.2	5	24.5	1.2	-20~60°C	2.2
16	CR2430	3.0	300	1	30	24.5	3.0	-30~85°C	4.5
17	CR2450	3.0	600	3	50	24.5	5.0	-30~85°C	6.5
18	CR2477	3.0	1000	1	20	24.5	7.7	-30~85°C	10.0
19	CR3032	3.0	550	1	35	30.0	3.2	-30~85°C	6.8
20	CR3832	3.0	950	1	75	38.0	3.2	-30~85°C	11.5

If you have customized requirements or if the product needs to operate long-term at temperatures below -20°C or above 70°C, please contact us.

# Li/MnO<sub>2</sub> Pouch Battery CP Series

## Flexible in size

The size of the pouch battery can be customized according to the **size requirements of customers'** electronic products.

## Strong wide-temperature load capacity

Excellent load capacity in wide-temperature environments.

## Volume saving capacity

The same capacity of the pouch **battery saves about 20% of the** volume compared to other batteries.



Electronic Shelf Labels



CPC Cards



GPS



Smart Instruments and Apparatus



Memory Chip Power



Medical Equipments



Remote Controls



Security and Protection Monitoring

# Li/MnO<sub>2</sub> Pouch Battery CP Series

No.	Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Max. Continuous Discharge Current (mA)	Max Pulse Current (mA)	Dimension (mm)	Operating Temperature (°C)	Weight (g)
1	CP301330	3.0	200	20	40	3.0* 13.5* 30.5	-20~70°C	2.2
2	CP084848	3.0	320	20	50	0.85 * 48.0 * 48.0	-20~70°C	4.0
3	CP114951	3.0	380	100	200	1.1 * 49.0 * 51.0	-20~70°C	3.7
4	CP302752	3.0	970	100	200	3.0* 27.0 * 52.5	-20~70°C	7.0
5	CP552338	3.0	1000	125	250	5.7* 23.5 * 38.5	-20~70°C	7.5
6	CP902525	3.0	1050	100	200	9.3 * 25.0 * 25.5	-20~70°C	8.0
7	CP502440	3.0	1200	250	500	5.2 * 25.0 * 41.5	-20~70°C	8.5
8	CP651848	3.0	1200	250	500	6.7* 18.0* 48.5	-20~70°C	10.0
9	CP303450	3.0	1250	250	500	3.3 * 34.5* 50.5	-20~70°C	10.0
10	CP602745	3.0	1350	250	500	6.0 * 27.0 * 45.0	-20~70°C	12.0
11	CP302775	3.0	1450	300	600	3.2 * 27.0 * 75.5	-20~70°C	11.0
12	CP603448	3.0	2300	500	1000	6.2 * 34.5 * 48.5	-20~70°C	18.5
13	CP405050	3.0	2400	500	1000	4.3* 50.0 * 50.0	-20~70°C	20.0
14	CP505050	3.0	3000	300	1200	5.3* 50.0 * 50.0	-20~70°C	25.0
15	CP903450	3.0	3500	800	1600	9.0 * 34.5 * 50.0	-20~70°C	29.0
16	CP593184	3.0	4000	1000	2000	5.9 * 31.0 * 84.0	-20~70°C	27.0
17	CP754560	3.0	5000	1000	2000	7.5* 45.0 * 60.0	-20~70°C	35.0
18	CP32100100	3.0	8000	1500	3000	3.2 * 100.0 * 100.0	-20~70°C	55.0
19	CP6052164	3.0	15000	3000	5000	6.2 * 53.0 * 165.0	-20~70°C	105.0
20	CP9058160	3.0	25000	2000	3000	9.0 * 60.0* 161.0	-20~70°C	165.0

Only some models are listed, please feel free to contact us if you have any customization need.

# Battery Blister Pack



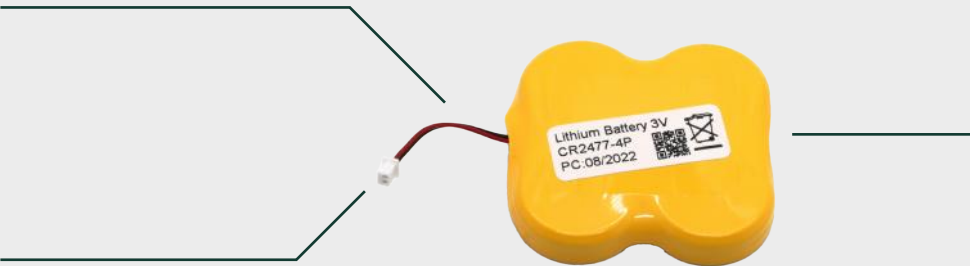
No.	Regular Model	Packs/Box	Boxes/Carton	Battery pcs/Carton	Box Size (mm)	Carton Size (cm)
1	CR2450-5bp	12	30	1800pcs	193 * 56 * 65	40.5 * 30.5 * 21.5
2	CR2032-5bp	20	30	3000pcs	193 * 56 * 65	40.5 * 30.5 * 21.5
3	CR2025-5bp	20	30	3000pcs	193 * 56 * 65	40.5 * 30.5 * 21.5
4	CR2016-5bp	20	30	3000pcs	193 * 56 * 65	40.5 * 30.5 * 21.5
5	CR1620-5bp	20	30	3000pcs	193 * 56 * 65	40.5 * 30.5 * 21.5
6	CR1632-5bp	20	30	3000pcs	193 * 56 * 65	40.5 * 30.5 * 21.5
7	CR1616-5bp	20	30	3000pcs	193 * 56 * 65	40.5 * 30.5 * 21.5
8	CR1220-5bp	20	30	3000pcs	193 * 56 * 65	40.5 * 30.5 * 21.5
9	CR1225-5bp	20	30	3000pcs	193 * 56 * 65	40.5 * 30.5 * 21.5

If you have any customization need, please feel free to contact us.

## Deep Processing Battery Battery with Lead



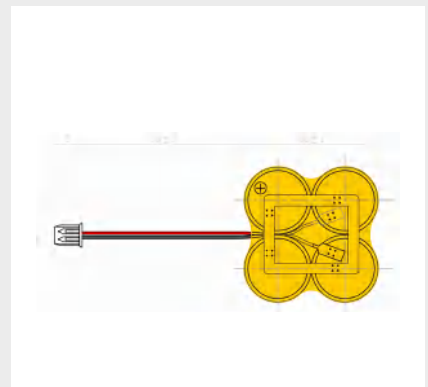
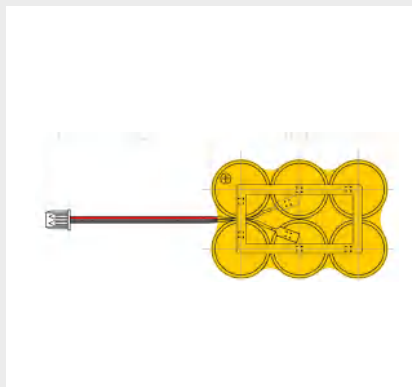
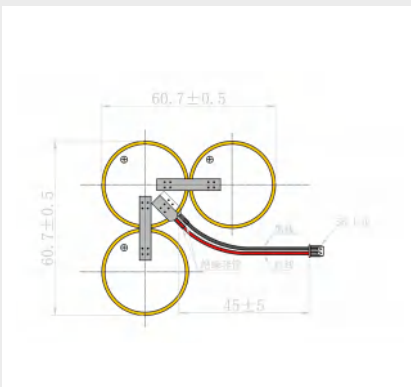
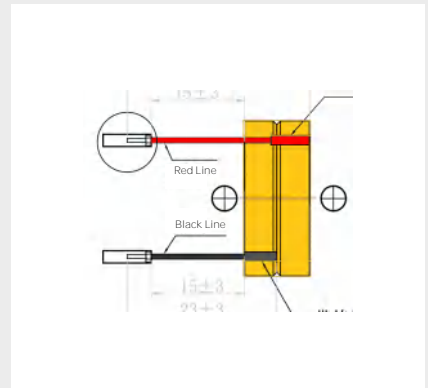
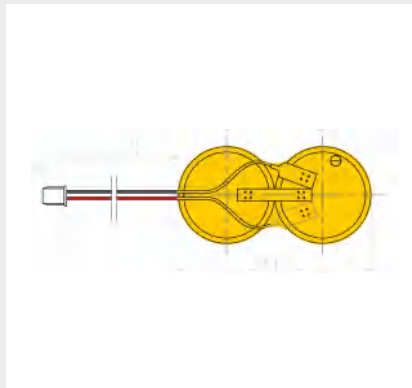
The type, length & diameter of the wire can be customized based on needs.



Battery Option:  
Button Battery,  
**Button Battery Pack**  
or Pouch Battery.



The connector can be customized based on needs.

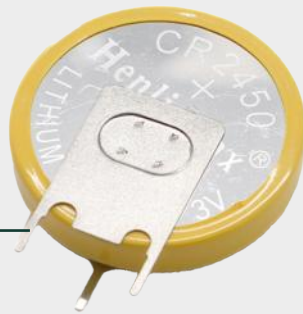


If you have any customization need, please feel free to contact us.

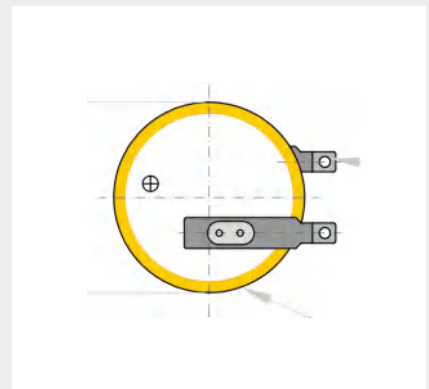
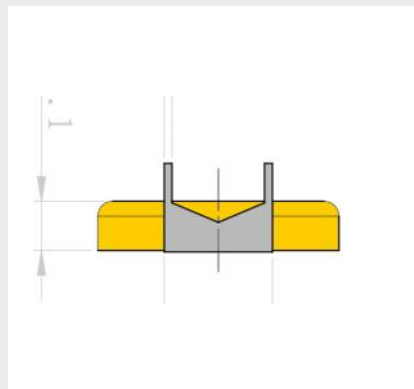
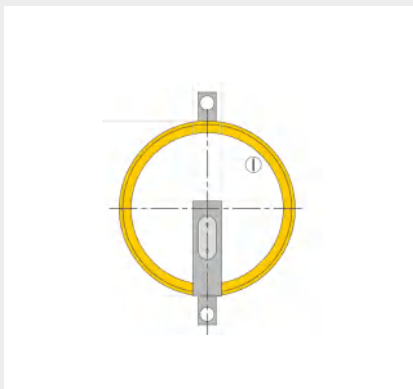
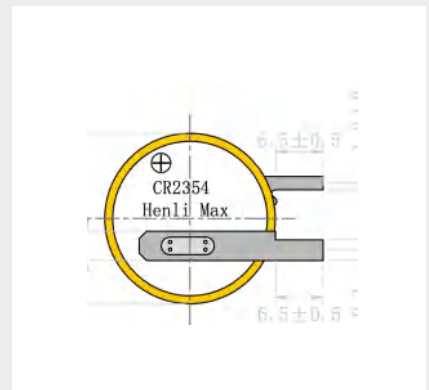
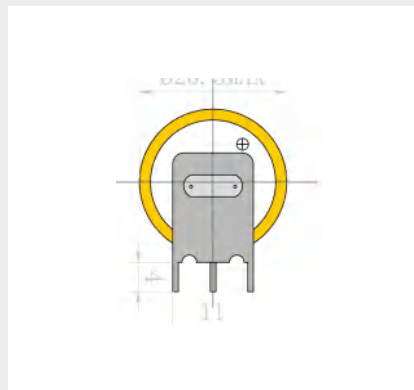
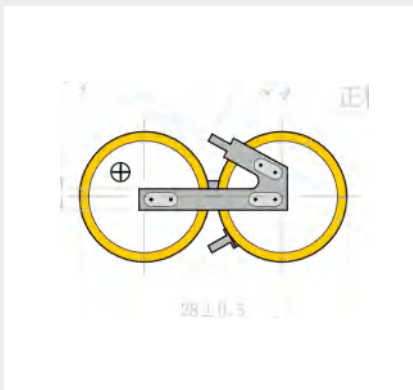


## Deep Processing Battery Soldered Battery

The type of the tab  
can be customized  
based on needs.



Battery Option:  
Button Battery,  
**Button Battery Pack**



If you have any customization need, please feel free to contact us.

# YUFENG STRATEGY



## Business Development

Continue to broaden industrial application scope.



## Product Development

Continue the R&D direction of high-Drain, long-life and wide-temperature batteries, and **maintain the significant** competitive advantages of battery performance.



## Talent Management

Improve the talent training system, optimize the organization structure, continue to attract and empower talents. Build a great learning culture.



## Production Management

Continue to drive the progression of enterprise digitalization in order to improve production **efficiency, lean production** management, ensure product **quality, and effectively reduce** production costs.



# Social Responsibility

## **Non-Conflict Minerals policy - 「No purchase, no use of conflict metals」**

Tantalum, tin, gold, tungsten, cobalt, and other minerals originating from the Democratic Republic of Congo and the other nine countries that sharing internationally recognized borders with the country, are listed as specially restricted conflict minerals, as the sales of those minerals may provide financial support for the ongoing armed conflicts in these countries. YUFENG firmly supports the CFSI (the Conflict-Free Sourcing Initiative) established by the EICC (the Electronic Industry Citizenship Coalition) and the GeSi (the Global e-Sustainability Initiative). We announce the Non-Conflict Minerals Policy here as it is part of our social responsibility.

We Commit that:

1. We do not purchase conflict metals sourced from conflict areas.
2. We require our suppliers to sign the commitment of not using conflict minerals and refuse to use the conflict minerals sourced from conflict areas.
3. We require our suppliers to manage their upstream and downstream suppliers to make sure the requirements of Non-Conflict Minerals are met.
4. We do our best to control the source of the materials and refuse to use conflict minerals sourced from conflict areas.







# YUFENG BATTERY



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BATTERY CO., LTD.

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