

**WE DON'T JUST  
MAKE BATTERIES- WE POWER THE FUTURE**





Shenzhen Honcell Energy Co., Ltd was founded in 2010 in Shenzhen. In the past 13 years, we've been providing high performance Li-ion batteries for numerous brands worldwide in a variety of end markets and applications. Honcell offers flexible Li-ion battery customization services to ensure that our batteries are tailored to our customers' needs, whether it be in product specifications, performance, appearance, or transportation.



## APPLICATIONS



Medical Equipment



3C Products



Power Tools



Drones



Low Speed Vehicles



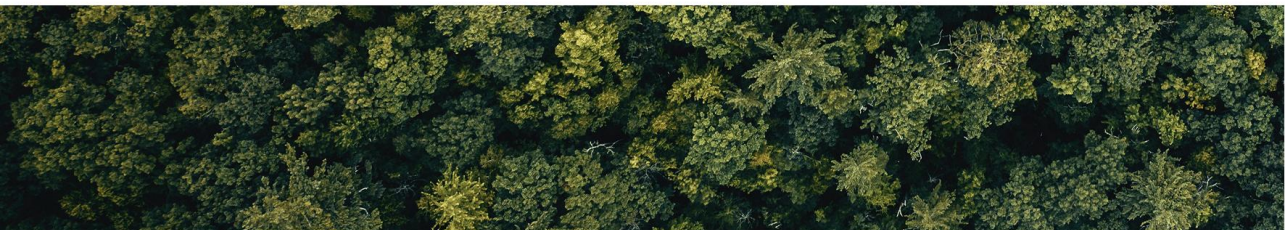
Power Supply



E-bike



Smart Homes



25800m<sup>2</sup>

Area

800+

Employees

24,780,000 CNY

Registered Capital

600,000 PCS

Daily Output



# HCP Series

## Lipo Battery

Energy Density :  $\approx 680\text{Wh/L}$

Capacity : 15mAh-15000mAh

Self Discharge :  $\leq 0.08\text{mV/h}$

Working Temperature :  $-40^{\circ}\text{C}-85^{\circ}\text{C}$





# HCG Series

## Lipo High Drain Battery

Discharge Rate : 3C-180C

Energy Density :  $\approx$  166Wh/KG

Cycle Life :  $\geq$  80% after 500 cycles

Self Discharge :  $\leq$  0.1mV/h

Working Temperature : -40°C-70°C



# HCF Series

## LiFePO4 Battery

Energy Density :  $\approx 140\text{Wh/KG}$

Cycle Life :  $\geq 80\%$  after 2000 cycles

Discharge Rate : 1C-3C

Self Discharge :  $\leq 0.065\text{mV/h}$

Working Temperature :  $-30^{\circ}\text{C}-60^{\circ}\text{C}$



## APPLICATION CASE STUDIES



### Surgical Robot Backup Battery

Model Number: HCG9043118BZC-4S1P 14.8V 5400mAh

Charge Cut Off Voltage: 17V

Discharge Cut Off Voltage: 11.2V

Charge Current: 1C

Max. Continuous Discharge Current: 5C

Peak Discharge: 10C

Discharge Wire: UL3239AWG#18, 200mm

Charge Wire: UL1571AWG#28, 200mm

Balance Connector: JST SHR-05V-S

Power Connector: Molex 0039012020





## Medical Wireless EEG Device Battery

Model Number: HCP703440NZC 3.7V 1150mAh

Continuous Charge Rate: 0.5C

Peak Charge Rate: 1C

Continuous Discharge Rate: 0.5C

Peak Discharge Rate: 1C

Wire: UL3302-AWG#28, 50mm

Connector: Molex:51021 - 0300

100K-NTC, B=3435K

## APPLICATION CASE STUDIES



### Red Light Therapy Device Battery

Model Number: HCP116087NZC-2S1P 7.4V 8450mAh

Maximum Continuous Charge Rate: 0.2C

Peak Charge Rate: 0.5C

Maximum Continuous Discharge Rate : 0.5C

Peak Discharge Rate: 0.5C

Wire: UL1571-22AWG, 50±3mm, from left

Connector: Molex105307-1203, Positive

10K-NTC B=3435K

PVC assembled



## Wearable ECG Recorder Battery

Model Number: HCP602535NFC 3.7V 500mAh

Rated Voltage: 3.7V

Rated Capacity: 500mAh

Over-Charge Voltage: 4.28V

Over-Discharge Voltage: 3.0V

Continuous Charge Rate: 1C

Continuous Discharge Rate: 0.5C

Peak Discharge Current: 1C@2-3ms

Wire: UL10064-30AWG#, 25mm

Connector: JST-SUHR-03V-S

PCM added



## Orthopedic Treatment Equipment Battery

Model Number: HCP103848NFC-3S1P 11.4V 2800mAh

Charge Cut Off Voltage:13.05V

Discharge Cut Off Voltage: 8.1V

Continuous & Max. Charge Current: 0.5C

Continuous Discharge Current: 0.5C

Max. Discharge Current: 1C last for 3-4ms

Wire: UL1007-AWG#24 60mm

Connector: Wurth620004113322-3P

NTC: 10K B value 3435K



Our state-of-the-art automated production line for lithium-ion batteries achieves an impressive 85% automation rate.



## PARTNERSHIP

PHILIPS

Haier

UniStrong

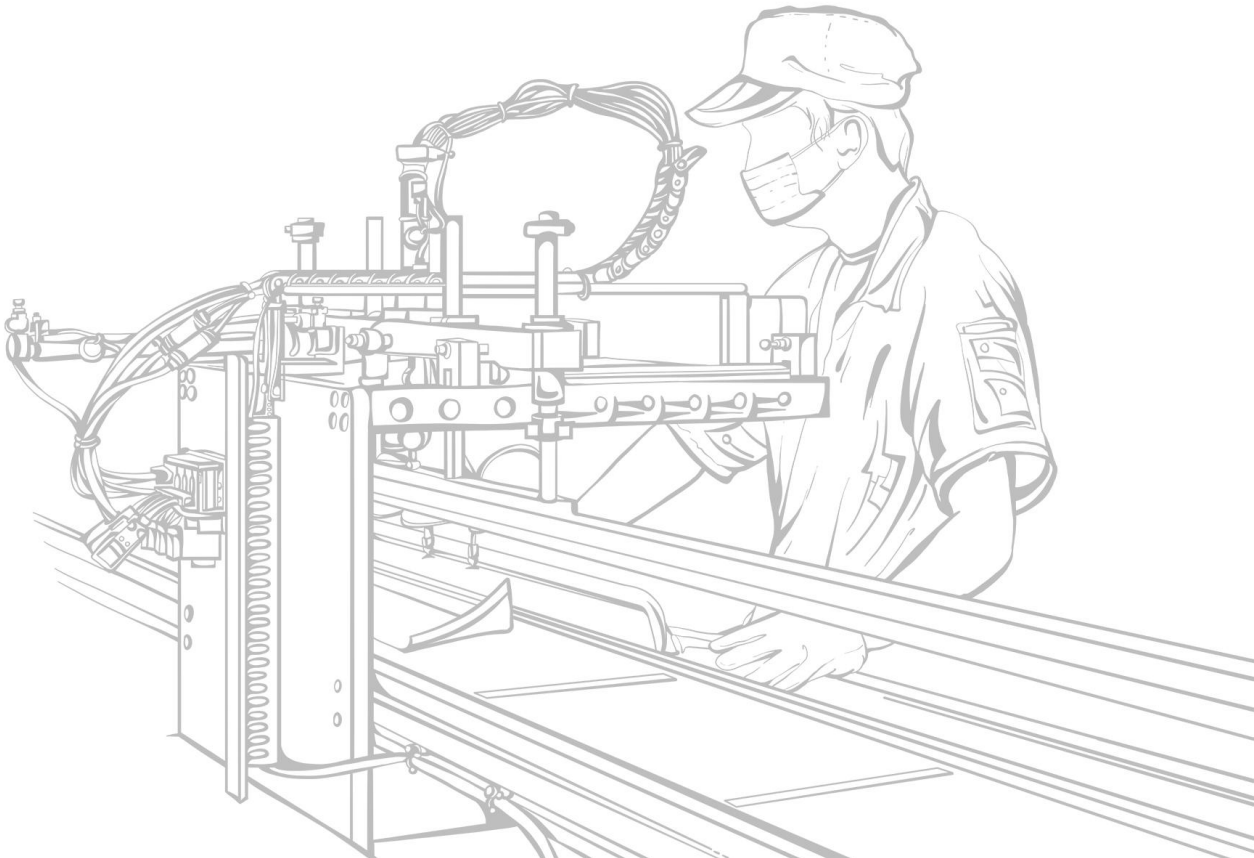


## EXHIBITION



We believe in sustainability and minimizing our impact on the environment.

That's why we committed to producing eco-friendly and sustainable lithium-ion batteries





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