

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





Shenzhen Honcell Energy Co., Ltd was founded in 2010 in Shenzhen. In the past 14 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.



HONCELL
HONGKONG HONG KONG

* Model No.: HCG38786
Rated Voltage: 3.7V
Rated Capacity: 600mAh, 844mAh
Peak Discharge Current: 30C
V018

HONCELL
HONGKONG HONG KONG

+ Model No.: HCG1046148
Rated Voltage: 3.7V
Peak Discharge Current: 10C
V018

HONCELL
HONGKONG HONG KONG

* Model Number: HCG15846
Rated Voltage: 3.7V
Rated Capacity: 170mAh, 1.8Ah
Peak Discharge Current: 1.57A
V018

HONCELL
HONGKONG HONG KONG

* Model No.: HCG152134
Rated Voltage: 3.7V
Rated Capacity: 150mAh, 1.8Ah
Peak Discharge Current: 1.57A
V018

HONCELL
HONGKONG HONG KONG

* Model No.: HCG32700
Rated Voltage: 3.2V
Rated Capacity: 3270mAh
Peak Discharge Current: 10C
V018

HONCELL
HONGKONG HONG KONG

* Model No.: HCG15846C
Rated Voltage: 3.7V
Rated Capacity: 170mAh, 1.8Ah
Peak Discharge Current: 1.57A
V018

APPLICATIONS



Medical Equipment



3C Products



Power Tools



Drones



Low Speed Vehicles



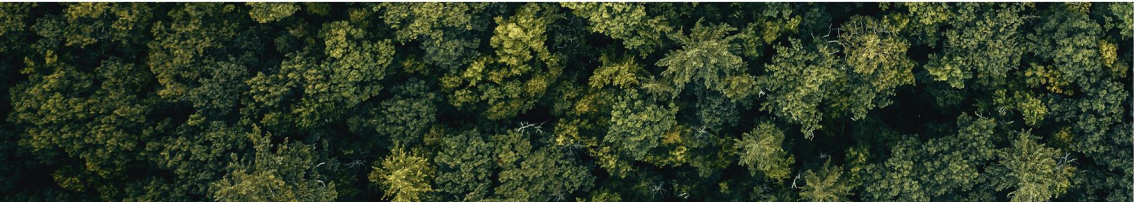
Power Supply



E-bike



Smart Homes



25800m²

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 : $\approx 166\text{Wh/KG}$

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

Self Discharge : $\leq 0.1\text{mV/h}$

Working Temperature : $-40^{\circ}\text{C}-70^{\circ}\text{C}$



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



Low-voltage Stacked Modules

Model Number: HCS 51300-S1 51.2V 300Ah

Discharge Current: 50A (Max.: 100A)

Discharge Cut Off Voltage: 46.4V

Charge Current: 30A (Max.: 50A)

Charging Time: 50A 4h

Charge Voltage: 57.6V

Discharge Temperature: -20°C-60°C

Storage Temperature: 0°C-40°C

Over-temperature Protection: 65°C

APPLICATION CASE STUDIES



Uninterrupted Power Supply (UPS)

Model Number: HCF50160116-4S1P 12.8V 100Ah

Charge Voltage: 14.4V

Discharge Voltage: 10.8V (Min.)

Continuous Charge/Discharge Current:100A

Peak Discharge Current:150A(10S)

Charge Temperature: 0°C-45°C

Discharge Temperature: -20°C-60°C

BMS Feature: Over-charge/over-discharge/short circuit
/temperature control/charge equalization

Ingress Protection (IP) Rating: IP65

Weight: 11.5 KG

Optional Function: Bluetooth function



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

APPLICATION CASE STUDIES



Testing Device Battery

Model Number: HCP2858120NPZC-3S1P 11.1V 2400mAh

Maximum Pack Dimension: 3.2*178*133mm

PCM: (R5436T502BA)

Discharge Cut Off Voltage: 7.5V

Charge Cut Off Voltage: 12.75V

Continuous Charge Current: 0.2C

Peak Charge Current: 1C

Continuous Discharge Current: 1C

Peak Discharge Current: 2C, 2-3ms

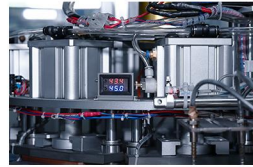
Over Current Protection: 10-16A

Wire: UL3302-AWG26# 52mm±2

Connector: JST-XAP-03V-1

NTC: 10K B=3435

PTC: BY12110.7



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



PARTNERSHIP

PHILIPS

Haier

UniStrong

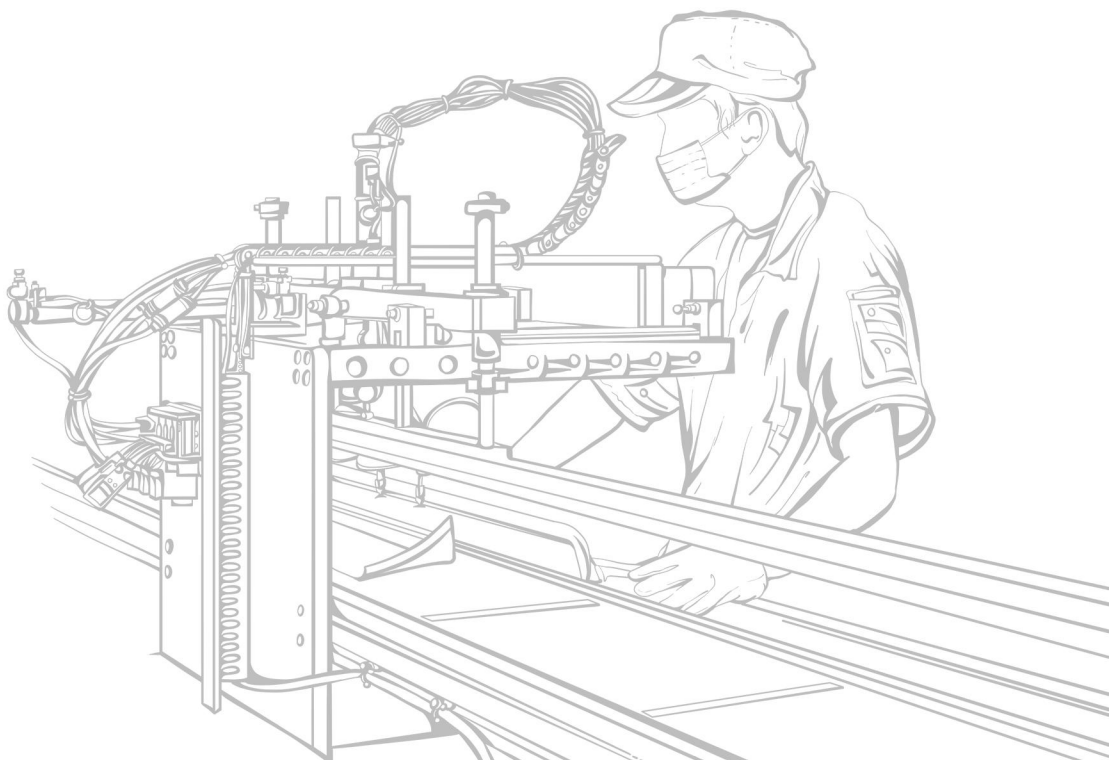


EXHIBITIONS



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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