PHD ENERGY
PREMIUM BATTERY TECHNOLOGIES

ADVANCED LI-ION TECHNOLOGY

Premium Pin-Type Rechargeable Li-ion Batteries

Engineered for compact power, speed & safety

High-performance lithium-ion batteries designed for compact, advanced electronics where space, efficiency, and reliability matter most.

RAPID CHARGING PERFORMANCE
Fast charging up to 3C.

COMPACT & LIGHTWEIGHT DESIGN
Optimized for space-constrained devices.

ADVANCED SAFETY ENGINEERING
Explosion-proof valve for maximum safety.

LONG-TERM STORAGE STABILITY
Ultra-low self-discharge for extended reliability.

DURABLE STEEL CASE
Robust design for easy integration and production.

Ideal for Advanced Electronics

Wireless Earphones

Smart Glasses

Stylus Pen

Hearing Aids

Wristband Devices

Custom Battery Packs • Advanced BMS • Global Manufacturing

phdenergy.com

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ADVANCED LI-ION TECHNOLOGY

Engineered to Perform

Continuous Discharge Rate	**1C**
Charging Rate	**2 - 3C**
Operating Temperature	**-20 - 60 °C**
Charging Temperature	**0 - 45 °C**

Storage Condition

Over 3 month	**-20~27°C**
Less than 3 monthS	**-20~35°C**
Less than 1 month	**-20~45°C**
Humidity	**≤75 % RH**

Product List

Pin-Type Rechargeable Li-ion Battery Series

Model	Rated Voltage (V)	Capacity (mAh)	Diameter (mm)	Length (mm)	Charge Voltage (V)	Max Charge Current (mA)	Max Discharge Current (mA)	Status/Notes
ICR37200C1	3.8	16	3.65	20	4.35	11.2	20	Under Development
ICR47200C2	3.8	25	4.65	20	4.35	75	25	EVT
ICR47230C1	3.8	25	4.65	23	4.35	75	25	In Mass Production UL1642 Certified
ICR47230C4	3.8	30	4.65	23	4.35	90	30	DVT
ICR47250C1	3.8	30	4.65	25.1	4.35	90	30	In Mass Production UL1642 Certified
ICR50450C1	3.95	130	5	45	4.5	360	120	In Planning

Power with PHD Energy for reliable, high-performance battery solutions.