

스마트 배터리 솔루션

Smart Battery Solution

RECHARGE YOUR LIFE

1등 배터리 개발 및 제조 전문기업

CIPEnergy

Smart battery solution



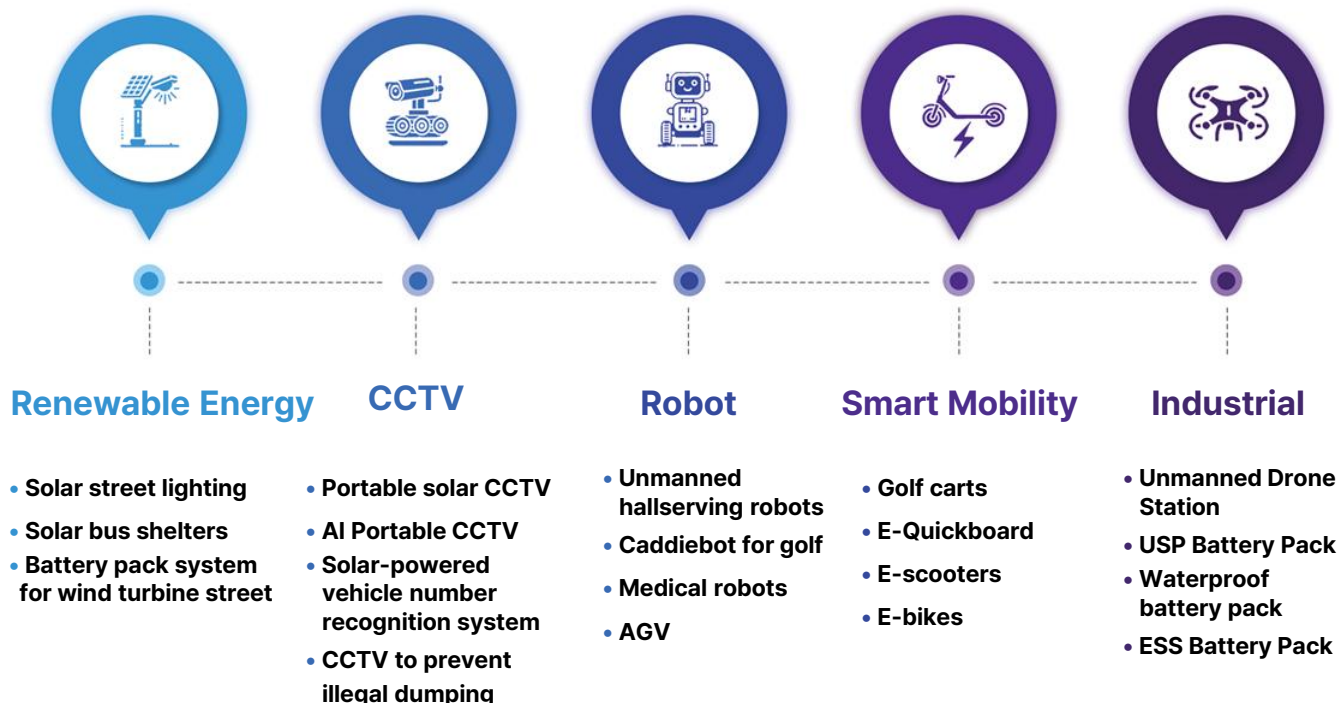
No.1 battery pack development and manufacturing company

Based on domestic and overseas cylindrical lithium-ion batteries and various of battery cells, we provide battery packs tailored to the voltage and capacity required by customers, realising customised manufacturing.

We provide high-quality battery packs that are faithful to the basics, and are committed to innovating for a sustainable future in a rapidly changing industrial environment to meet the diverse needs of our customers through rapid technology development and mass production capabilities.

CIPEnergy will continue to grow and develop for safe, fair and efficient value based on trust with our customers.

Core business of lithium-ion battery packs



Lithium-ion battery packs



01. Basic Hardcase

- IP67, IP68 certified for water and dust resistance
- Excellent heat dissipation due to the application of heat sink fins
- Efficient operational response in harsh conditions
- Different types of cables and connectors can be used



02. Slim Hardcase

- IP67, IP68 certified for water and dust resistance
- Excellent heat dissipation due to the application of heat sink fins
- Efficient operational response in harsh conditions
- Different types of cables and connectors can be used



03. Soft case

- Competitive pricing compared to other cases
- Shockproof, battery-protected technology
- Three-dimensional holder improves cooling efficiency
- Available for small products



04. Terminal type

- LP16, LP20 one-touch waterproof connectors
- Bullet terminals
- Cable type
- Fuse cable type
- Can be changed to customer requested terminals

Battery pack product spec

Common specifications

- Cell : LG INR21700 M50LT
- Operating temperature
Charging 0°C - 45°C
Discharging -20°C - 60°C
- Applications
: Various batteries for solar street lights/CCTV, etc.
- Charging : CC-CV Mode
- Discharge : CC Mode



Detailed product specifications

< Soft Case >

Model	CBH-SL1205	CBH-SL1210	CBH-SL1215	CBH-SL1220	CBH-SL1225	CBH-SL1230
Cell	3S1P	3S2P	3S3P	3S4P	3S5P	3S6P
Size (mm)	84X76X34	84X76X56	84X76X78	84X76X100	84X76X122	84X76X144
Capacity	4.8Ah	9.6Ah	14.4Ah	19.2Ah	24Ah	28.8Ah
Nominal voltage	11.07V					
End voltage	8.4V					
Full charge voltage	12.6V					
Charging current	1.4A	2.8A	4.3A	5A	7A	7A
Discharge current	2.3A	4.5A	7A	9A	10A	10A

We can also custom-produce battery packs with various specifications not listed in this table.

Battery pack product spec

Common specifications

- Cell : LG INR21700 M50LT
- Operating temperature
Charging 0°C - 45°C
Discharging -20°C - 60°C
- Charging : CC-CV Mode
- Discharge : CC Mode
- Applications
: Various batteries for solar street lights/CCTV, etc.



Detailed product specifications

< Hard Case >

Model	CBH-HL1220	CBH-HL1230	CBH-HL1240	CBH-HL1250	CBH-HL1260	CBH-HL1270
Cell	3S4P	3S6P	3S8P	3S10P	3S12P	3S14P
Size (mm)	84X94X125	84X94X170	84X94X215	84X94X250 161X96X195	84X94X295 161X96X215	84X94X340 161X96X235
Capacity	19.2Ah	28.8Ah	38.4Ah	50Ah	60Ah	70Ah
Nominal voltage	11.07V					
End voltage	8.4V					
Full charge voltage	12.6V					
Charging current	5A	7A	7A	15A	15A	15A
Discharge current	9A	10A	10A	30A	30A	30A

We can also custom-produce battery packs with various specifications not listed in this table.

Battery pack product spec

Common specifications

- Cell : LG INR21700 M50LT
- Operating temperature
Charging 0°C - 45°C
Discharging -20°C - 60°C
- Applications
: Various batteries for solar street lights/CCTV, etc.
- Charging : CC-CV Mode
- Discharge : CC Mode



Detailed product specifications

< Hard Case >

Model	CBH-HL2430	CBH-HL2435	CBH-HL2440	CBH-HL2450	CBH-HL2460	CBH-HL2470
Cell	7S6P	7S7P	7S8P	7S10P	7S12P	7S14P
Size (mm)	84X94X342 161X96X215	161X96X235	161X96X260	161X96X300	161X96X350	161X96X390
Capacity	30Ah	35Ah	40Ah	50Ah	60Ah	70Ah
Nominal voltage	25.83V					
End voltage	19.6V					
Full charge voltage	29.41V					
Charging current	20A					
Discharge current	20A					

We can also custom-produce battery packs with various specifications not listed in this table.

48V Battery packs for **micromobility** charging

Categories		Content	INPUT < IEC 60320 C14 > 
Configuring cells		LFP16S3P 300Ah	OUTPUT <BS1363> 
Nominal voltage		51.2V(44.8~58.4V)	
Capacity (energy)		300Ah (15,360Wh)	
Output		230V 50hz BS-1363 Duplex outlet (Maximum per single outlet 2,800W , Total Duplex outlet MAX 3,000W) -> This power is at the maximum specification and should be kept as separate as possible.	
Input		AC 230V 5% error rate 50Hz (IEC 60320 C14 socket), BS-1363-1(UK) Provide a cable	
Charging time	Electricity	Estimated 80% charge in about 10 hours of charging after a full discharge, Full charge: Approx. 15 hours estimated	
Display		Ability to display voltage, capacity, remaining charge, usage, available time, and estimated time to charge	
Balance check connector		Terminals for checking battery cell balance (for checking during A/S service)	
External switches		Battery Kill Switch , Inverter Power Switch, Circuit breaker 300A (for DC), circuit breaker 20A (AC ground fault circuit interrupter)	
Moving the battery pack		Will have 4" casters on the bottom (forklift accessible) Crane is available with top eyebolts in place	
Estimated size		700mm x 600mm x (H)700mm	
Estimated weight		Approximately 200 kg	

Solar street light set



Solar panel output	250W
Battery capacity	24V x 60Ah = 1440Wh
LED lamp power consumption	40W
Power consumption per day	40W (Power consumption) x 10hour (Night lighting time) = 400Wh
daily electricity production	250W (Panel Output) x 4hour (daylight hours) x 0.8(Efficiency) = 800Wh
days of assistance (Always on)	4day (Automated dimming of lights at dawn to account for power consumption)
days of assistance (Sensing Point Light)	-

Affordable solar street light sets from China are also available.