

PHET[®] has been granted exclusively from Phostech for manufacturing, marketing and distributing of the world patented C-coated Lithium Iron Phosphate (C-LiFePO₄) based cathode films or batteries applications for electric bikes, electric scooters, medical power chairs and medical scooters. **PHET[®]** has also been granted the right of using the patented C-LiFePO₄ powder for making and selling the cathode films or batteries in all fields for the different applications as non-exclusive.

※ ***If there is any legal infringement caused by using the world patented C-LiFePO₄ powder for the batteries, PHET will take over the lawsuit on behalf of your company.***

Envirofriendly™ battery technologies from **PHET[®]** provide safe and green energy solutions for the mankind.

Fields of Applications:

- Electric car, Hybrid car
- Electric bike, motorcycle, scooter, medical power chair, golf cart, folk lift
- Portable oxygen concentrator
- Solar / Wind power station
- Power backup system for communication station
- Industrial / Office UPS, moving power bank
- Power tools, electric gardening and farming machine
- Remote-controlled airplane / car / boat
- Power source of robotic machinery
- Lighting equipment for mining
- Military applications: UPS, Communication, Remote Sensing, Unmanned Aerial Vehicle (UAV)
- Remote off-line power storage system
- Applications for lighter weight and longer cycle life requirement
- The best green and safe substitution for Lead-Acid, Ni-MH, Ni-Cd, Li-Mn and Li-Co battery
- Marine application, etc.

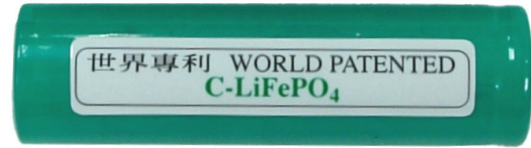


3.2V 1.1Ah / Cell up to 3.2V 250Ah / Cell 12V 6Ah ~ 12V 50Ah 24V 5Ah ~ 24V 12Ah

Different voltage and amp-hour / pack can be made by requests. Feel free to ask us for more information.

All specifications are subject to change without prior notice.

- Non-toxic, non-contaminating; SGS / RoHS approved
- Extremely Safe; no explosion and will not catch fire under collision, over charged or short circuit
- Small in size and light in weight
- For all high power output applications
- Can be used under extreme temperature
- Extra long cycle life
- No memory effect
- Can be fully charged in a very short time



COMPARISON DATA AMONG VARIOUS LITHIUM BASE BATTERIES :

	C-LiFePO ₄	LiCoO ₂	LiMn ₂ O ₄	Li(NiCo)O ₂
SAFETY AND ENVIRONMENTAL CONCERN	Safest and most envirofriendly among all the listed groups Excellent	Not stable very dangerous	Acceptable	Not stable very dangerous
CYCLE LIFE	Best among all the listed groups Excellent	Acceptable	Unacceptable	Acceptable
POWER WEIGHT DENSITY	Acceptable	Good	Acceptable	Best
LONG TERM COST	Most economic Excellent	High	Acceptable	High
ACCEPTABILITY	Excellent (-45°C ~ 70°C)	Decayed beyond 55°C ~ -20°C	Decayed extremely fast over 50°C	Decayed extremely fast over 55°C ~ -20°C

R E M A R K

1. Although, Lead Acid battery is lower in cost and safety acceptable; however, with extremely toxic, worse for the environmental concern, short cycle life, heavy in weight, therefore, we don't put it as a group for comparison.
2. Nickel Hydride battery has a characteristic of low Power Weight Density, decayed faster under the high temperature, worse in memory effect, not suitable for high output usage.
3. The C-coated Lithium Iron Phosphate Battery has been proven as the most environmental friendly battery. It is the safest and most suitable for high output usage. It is also the best for storage battery usage. It is not necessary to use the equalizer and the protecting PC Board module.

Before employing the PHET[®]'s batteries in any applications, an approval must be issued by PHET[®].

