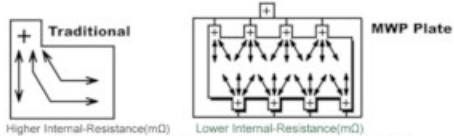


The Ahead $\text{Li/FePO}_4 \cdot \text{Li(Ni-Mn-Co)O}_2$ Battery

FRIENDLY
PATENTED

■ $\text{Li(Ni-Mn-Co)O}_2 \cdot \text{Li/FePO}_4$ Battery w/ Multi Way Plate (MWP)

■ Physical Structure Principle



New Physical Invention for Battery Balance Plate with Even Current & Lower Internal Resistance

• Structure :

The MWP Plate is featured with multi current way & multi-terminals, with multi-way and multi-terminals which symmetry and equalizing the current over conductors of battery grid plates during charging / discharging operation, which significantly enhance the charging/discharging performance and extending the battery life.

The silver plate is composed by multi-parallel connected networks current flowing via multiple input/output terminals, which generates average chemical reaction and with the physical & material advantage of low internal resistance.



6C Rapid Charge

■ Advance Physical Invention for Electric Storage Device

○ The power(kw) / capacity(kwh) ratio of battery with MWP Plate Technology will significantly raised, which prevents the battery over capacity and reduce the cost, weight and space demand of battery packs on HEV and City-EV. The MWP Plate battery is also an ideal alternative of expensive supercaps on FCEV.

- Significantly increase the high-C discharging power output
- Significantly increase the high-C discharging effective capacity
- Reduce the heat loss of battery temperature increase
- The battery is chargeable with higher current value before critical-saturation phase during recharging
- Capable for 200 seconds rapid recharging
- The average current by Kirchhoff law increases energy efficient of battery grid plate and extending battery life

○ Reduce the chemical stratification phenomenon at the bottom side of battery electrode.

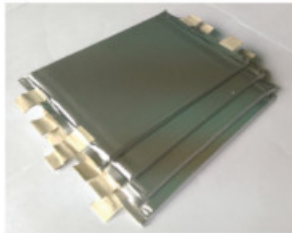
- The bottom side battery grid plate directly connect to the terminal, the current flows via bottom side of battery will not significantly decrease, which lower the chemical stratification phenomenon at the bottom side of battery.

■ The Opportunities of Various Batteries w/ MWP Plate

● Li(Ni-Mn-Co)O_2 battery w/ MWP Plate

Positioning: High-price, safety, long-life, high power density/high energy density

- Power density increase 40% under identical energy density by S.B.K.P. technology.



3C Fast Charge
10C Continuous Discharge
20C Duty Discharge
3.6V 10AH

※ Special Order up to 3.6V 30AH

● Li/FePO_4 battery w/ MWP Plate (New)

Positioning: High-price, safety, long-life, high power density/high energy density

- Power density increase 40% under identical energy density by S.B.K.P. technology.



6C Fast Charge
10C Continuous Discharge
15C Duty Discharge
3.2V 100AH

For Stop-Start Battery • 48V Micro Hybrid • BEV
REEV • Plug-in EV • UPS • Energy Storage



Contact:
Giant Lion Know-How Co., Ltd.
giantleo@ms24.hinet.net