

48V/72V Lithium Battery for Golf Cart



INNOBIZ
기술혁신형중소기업



**60%
Weight
Reduction**

**Safety :
BMS/PTC
VENT**

**Low Self-
Discharge
Rate**

**High
Efficiency
Charge/
Discharge**

**Reduced
Maintenance
Cost**

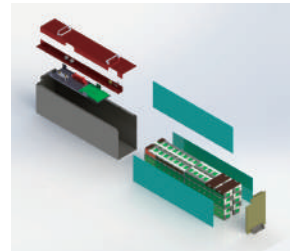
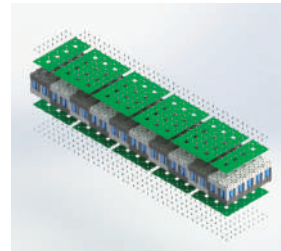
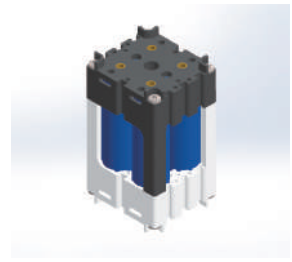
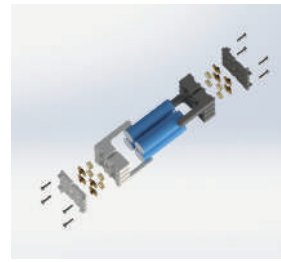
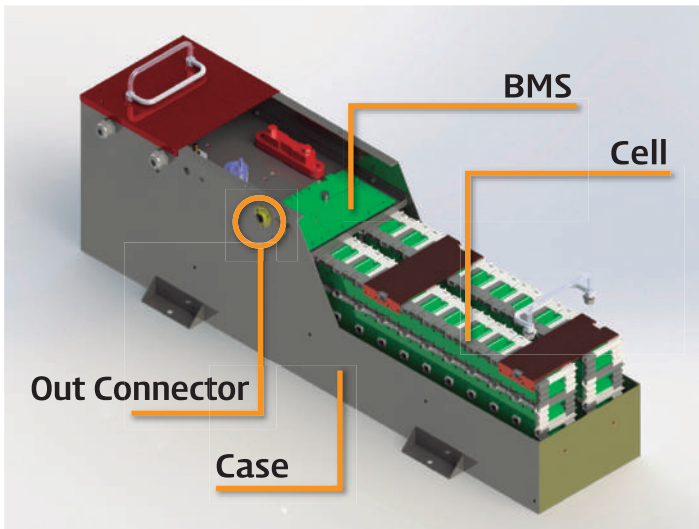
**Long Life
Guarantee**

**Consumer
Satisfaction**



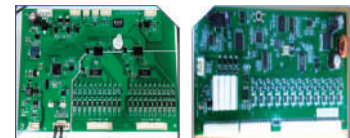
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Li-ion Battery Feature

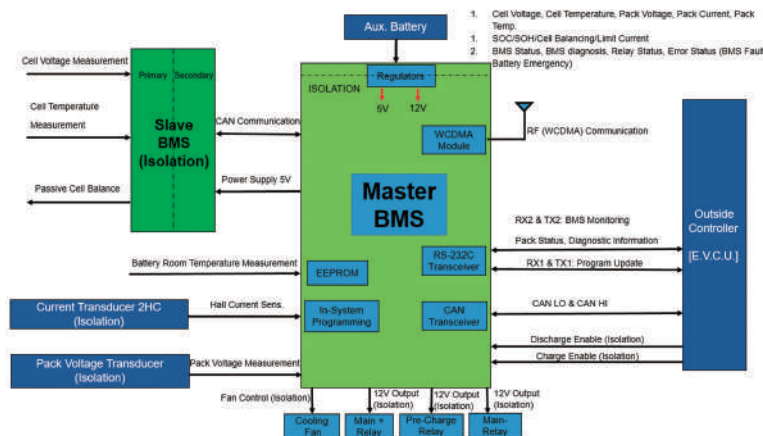


Assembling of our Li-battery pack module does not require any welding and can be customized according to the customers requirements of Capacity and Voltage

Lithium Battery Characteristics

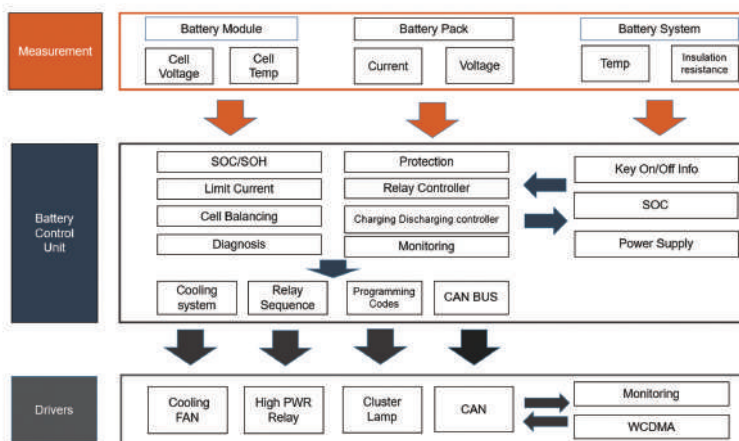


Our Manufactured battery packs integrated with the BMS , PCM and Battery monitoring system Promising the highest safety of the battery pack



Main Function

1. High Voltage Protection
2. Low Voltage Cut-off
3. Cell Balancing
4. Temperature Protection
5. Over Current Protection
6. Cell Group Monitoring
7. RS 232 OR CAN BUS
8. SOC/SOH Calculation



48V Lithium Battery Specifications



| | |
|-------------------|----------------------|
| Rated Voltage | 48V |
| Rate Capacity | 80~100Ah(Adjustable) |
| Size | 670 X 211 X 280 mm |
| Max Voltage | 58.1V (4.15V / Cell) |
| Discharge Voltage | 43.4V (3.1V / Cell) |
| Max Current | 160A(2C) / 480A(4C) |
| Weight | 47kg |



72V Lithium Battery Specifications



| | |
|-------------------|----------------------|
| Rated Voltage | 72V |
| Rate Capacity | 80~100Ah(Adjustable) |
| Size | 967 X 216 X 280 mm |
| Max Voltage | 83V (4.15V/Cell) |
| Discharge Voltage | 62V (3.1V/Cell) |
| Max Current | 82A(1C) / 480A(4C) |
| Weight | 70kg |



Lithium Battery Customer



More than 10 companies
1,000 units total
Contract for 600 Yamaha
carts at 2018 in Japan

Lithium Battery Applications

Personal Mobilty



EV/ Electric Truck



Application

Wind / Solar Power



Electric Golf Cart



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MPS Korea, We are the experts in the Li-ion battery market, who designs batteries to fit-in your requirements. MPS Korea' s Li-ion battery pack combines the highest quality cells with our own developed intelligent battery management system (BMS) and PCM to deliver industry-leading energy density, which ensures the high performance and the safety of the battery packs. Manufacturing of our battery pack do not need any welding inside which makes its design less complex and more efficient.

The battery pack structure is safe and can customized in terms of capacity and the voltage as per the customers requirements.

Applications: electrical motorcycle, household devices, industrial ESS, electrical car as well as e-golf cart.

Features

- ☐ High power and energy performance.
- ☐ Customized designs in terms of capacity and voltage.
- ☐ Integrated Battery management system (BMS) ensures high safety which includes cell balancing, overcharge cut-off, overdischarge protection, High temp cut-off.
- ☐ Includes junction box which is another feature added with the high volt battery packs for improving the safety.
- ☐ Designed to work reliably under the extreme environment.
- ☐ User friendly.
- ☐ Competitive pricing.