

# Integration Busbar Module with Battery Monitoring Function

## Function

- Electrical connection between batteries
- Equalization of battery voltage
- Detection of battery voltage

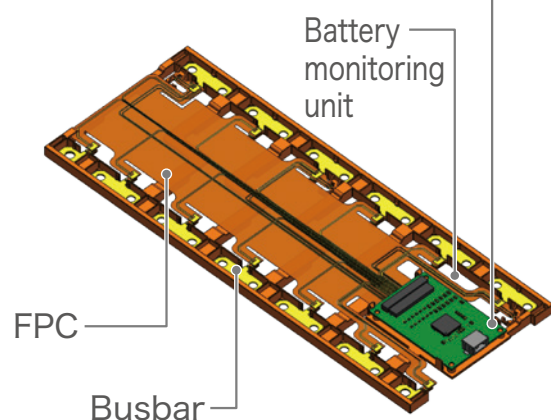
## Feature

- FPC makes smaller and lower size  
-> Improve density of battery pack energy
- All high voltage circuits are put on a battery module and prevented from short circuits outside of it due to integrate of a battery monitoring unit and a busbar module  
-> Improve collision safety

## Performance/Specification

### Busbar Module

#### Implement and reinforce FPC



#### Specification

|                                 |                             |
|---------------------------------|-----------------------------|
| Operating temperature           | -30degC to 80degC           |
| Measuring cell amounts          | 6 to 18 (It can be changed) |
| Measuring battery voltage       | 1 to 5V                     |
| Accuracy of battery voltage     | ±10mV                       |
| Measuring battery temperature   | -40degC to 120degC          |
| Accuracy of battery temperature | ±1.5degC                    |
| Insulation (Voltage resistance) | 1000V                       |