

# High Voltage Semiconductor Junction Box

## Function

- Supply/distribute high voltage power
- Change over series- parallel battery

## Feature

- Reduce charging time by changed over series- parallel battery
- Downsize with a semiconductor relay (Decrease in 50% volume of Yazaki's product)

## Performance/Specification

**High Voltage Junction Box (Switching battery voltage)**

Semiconductor Relay Module      Heatsink

Internal SiC Semiconductor  
Semiconductor Relay Module

**High Voltage Junction Box (Power supply / distribution)**

Heatsink      Semiconductor Relay Module

### Specification

Voltage	Up to 800V
Voltage of battery pack	Change over between 400V & 800V
Current	Continuous 200A
Implement semiconductor FUSE function	
Internal voltage/ current sensor	

