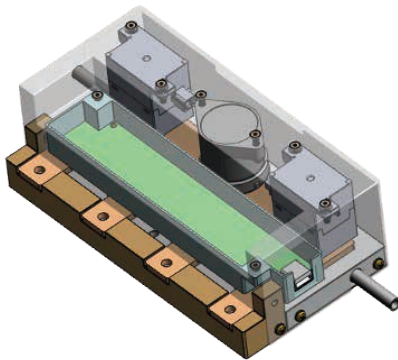


- Switching between series and parallel batteries
- Detective function of welding relays

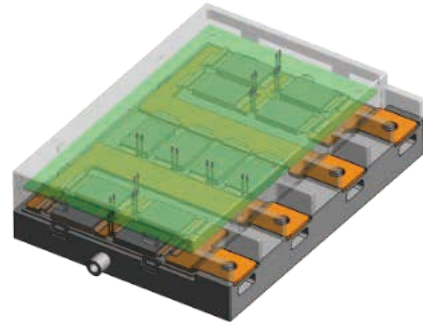
- Need actions for charging of 800V BEV from existing 400V rapid charger which are mostly dominated

- Switching between series and parallel batteries allows charging of 800V BEV from existing 400V rapid chargers
- Reduce size by high efficiency water cooling for large current
- Reduce size by relay semiconductor



### Mechanical Relay Type of Battery

Series-Parallel Switching Junction BOX



### Semiconductor Relay Type of Battery

Series-Parallel Switching Junction BOX

#### Target Specification

Max. voltage	(1) Series 1000V (Support 350kW rapid charging) (2) Parallel 500V (Support 150kW rapid charging)
Max. current	(1) Series 500A continuous (2) Parallel 400A continuous
Size	Mechanical Relay Type 350×350×120mm Semiconductor Relay Type 220×170×60mm