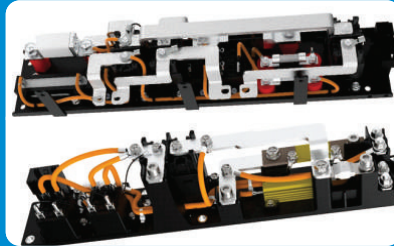
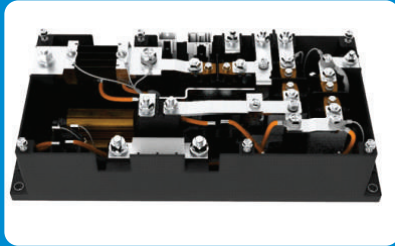


Power Distribution Unit (PDU/BDU) solution

- The high voltage power distribution box is mainly used for the high voltage power distribution of electric vehicles, which transmits the battery electric energy to various electric equipment of the car, such as air conditioner, motor, defrosting system, steering system, battery heating, AC/DC converter, DC/DC converter, etc.
- The power distribution unit integrated relay, fuse, diode, power resistance, BMS module and so on.
- Different solutions can be provided according to customer's vehicle type and installation location.

BDU series

BDU is integrated inside the battery box. Due to the space limitation of the battery box, the shape of BDU is generally irregular. The shell is processed with engineering plastics with good impact resistance and high strength, such as PA66, PBT, etc.



System rated voltage: according to customers' requirements, generally 100V-1000V;

System rated power: according to customers' requirements, generally more than 10KW;

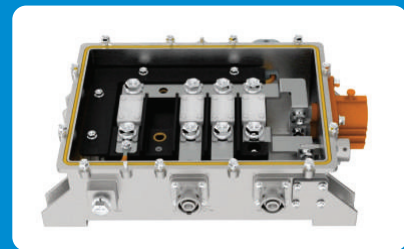
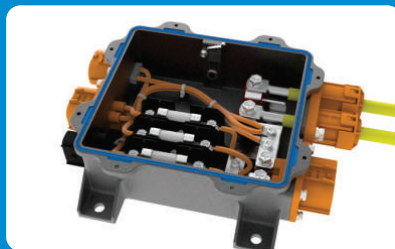
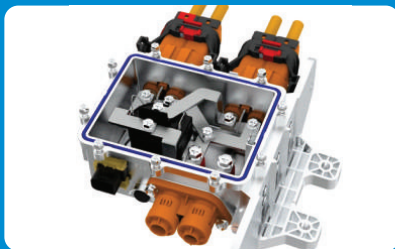
Device voltage: according to customer requirements, generally greater than 2000V;

Temperature range: -40°C-+125°C;

Protection level: depends on customers' requirements, common products do not require to protect;

PDU series

Generally installed on the vehicle body, the PDU mainly distributes the power of the vehicle to each power/power supply unit. The integrated relay in the interior can open/close some specified circuits. At the same time, it also integrates fuse inside, which can cut off the circuit in dangerous situations such as short and protect electrical equipment; At present, PDU are usually designed and developed according to different requirements of clients.



Rated voltage of PDU: according to customers' requirements, generally 100V-1000V;

rated power of PDU: according to customers' requirements, generally the power is more than 10KW;

Device voltage: according to customers' requirements, generally the voltage is greater than 2000V;

Temperature range: -40°C-+125°C;

Protection level: According to customers' requirements, PDU must meet the protection level of IP67 or IP68.

Recodeal advantage

- Self-Manufactured connector/busbar/shell and other parts, to provide customers with more cost-effective solutions;
- Reliable and stable mass application cases of multiple customers;
- Has more than 30 integrated MES system assembly production lines;
- Automated/semi-automated production line support;
- Key assembly positions such as crimping, ultrasonic welding, air tightness/conduction testing can be monitored;
- Automation or semi-automation of complex processes;
- Small batch multi-variety support ability;