

GLM2031

Technical Specifications

Dimensions: 340mm × 76mm × 80mm

Voltage range: 300V~450VDC

Continuous Discharge Current: 250 A

Protection Level: IP20, IPXXB (Copper busbar with protective cap)

Box material: Flame retardant plastic

Weight: 3kg

flame retardant rating: UL94-V0

Product Features

- The product integrates main positive and negative relays, PTC relay, pre-charge resistor, main fuse, PTC fuse, and a shunt, offering comprehensive functionality. It is installed inside the battery pack.
- Relays are de-shelled and fixed inside the housing using an interference fit structure, saving space and reducing overall size.
- Main circuit busbars are overmolded into the housing, reducing product size and assembly steps.
- Small busbars and transition terminals fully replace wiring harnesses, enabling a wire-free design.
- Simple assembly process allows for automated production.
- Contactors are mounted upside down with contacts positioned on the bottom surface, allowing for water cooling when thermal conductive silicone pads are added.