

Electric Vehicle Insulation Monitoring Device

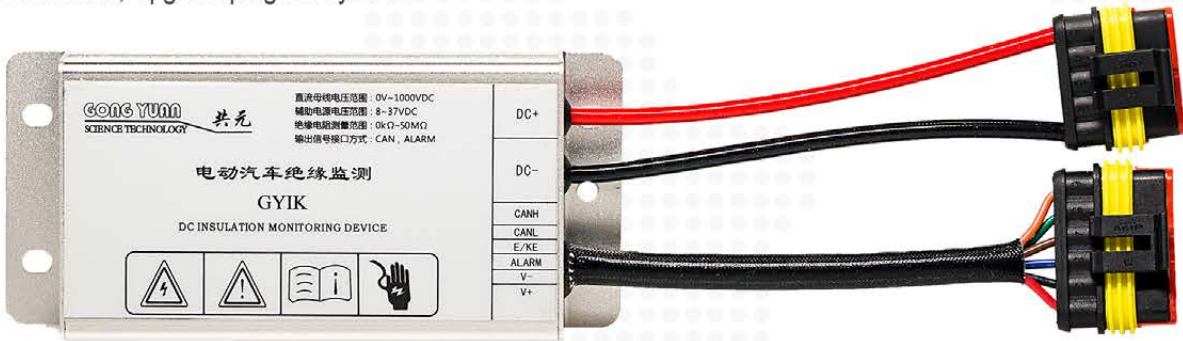
GYID Series

Features:

- Monitor the insulation state of all internal Class B voltage (high voltage side) components of the 0 ~ 1 000 VD.C. DC floating system (IT system).
- Measuring battery pack DC voltage
- Continuous measurement of insulation resistance of 0~50 MΩ
- Communicate using the CAN bus interface

Advantages:

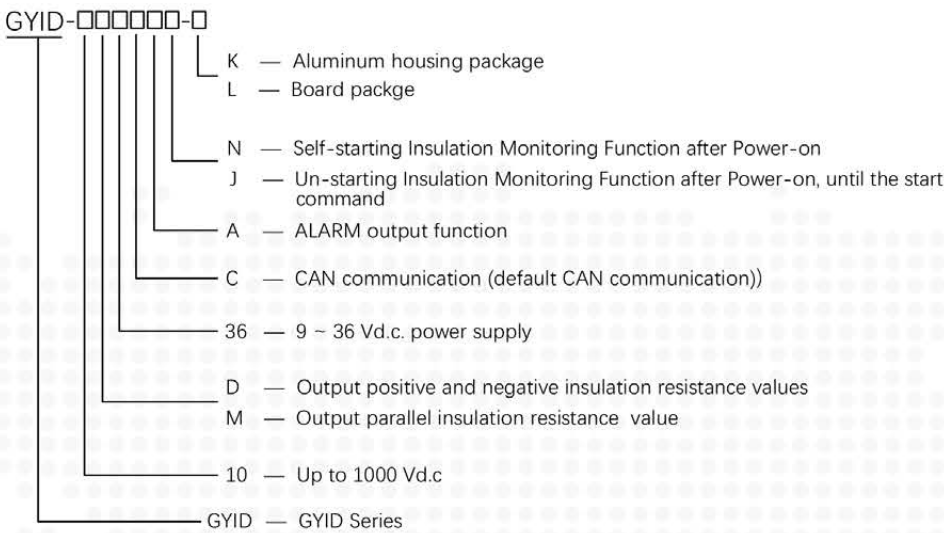
- Monitor the positive and negative insulation resistance separately
- Monitor the total insulation resistance and report the location of the battery insulation fault
- Automatically adapt to existing system Y capacitor CY ($CY \leq 4\mu F$)
- Operating temperature - 40 ~ +105 °C
- High internal resistance up to 10MΩ
- Injected signal amplitude ±15V
- Fault response time ≤ 5s
- High and low voltage side isolation voltage 3500 VD.C. / 2500 VA.C.(rms)
- With CAN Bootloader , upgrade program by CAN



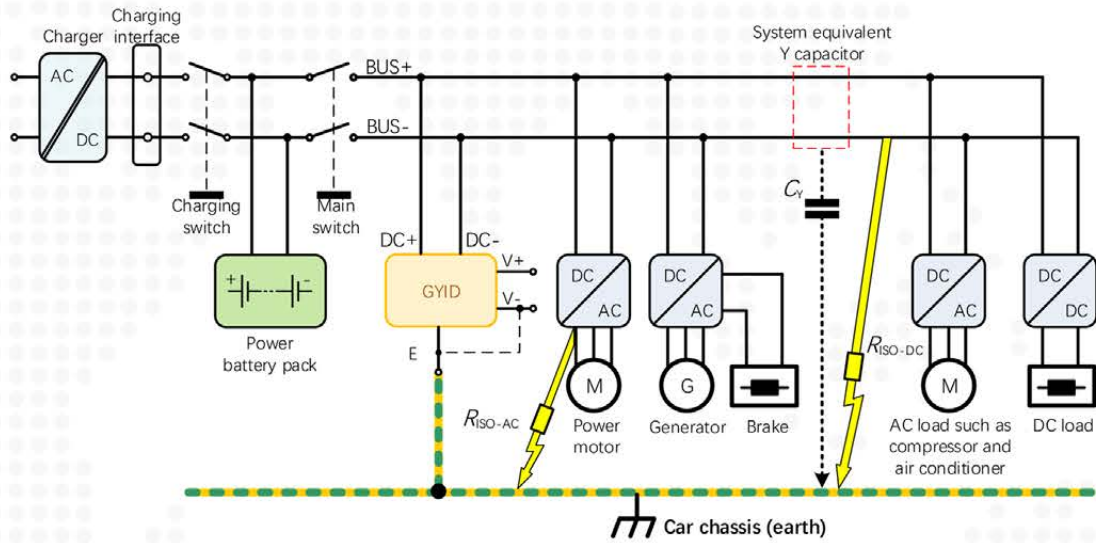
Suitable to:

- Symmetrical or asymmetrical insulation faults in the positive and negative of high-voltage DC system
- Monitor the insulation failure inside the battery pack and analysis the fault location
- Monitor the insulation resistance when high voltage side is in short -circuit state
- Reliably monitor the insulation resistance in the case of high intensity interference , such as acceleration deceleration & energy recovery

Model Selection(can be Customized):



Application scenario:



Structural parameters:

