



Automotive Grade 1500 V Solid-State Relay

in SMD-8 Package

KEY BENEFITS

- Wide operating temperature range:
-40 °C to +125 °C
- Creepage > 5 mm on the output pins make it suitable for 800 V battery systems
- Integrated avalanche-rated MOSFETs making it suitable for reliable performance in overvoltage conditions
- Supports system-level hipot testing

APPLICATIONS

- Isolation monitoring in electric vehicles
- Energy storage systems
- EV charging infrastructure
- Solar inverters



SOLAR
INVERTERS



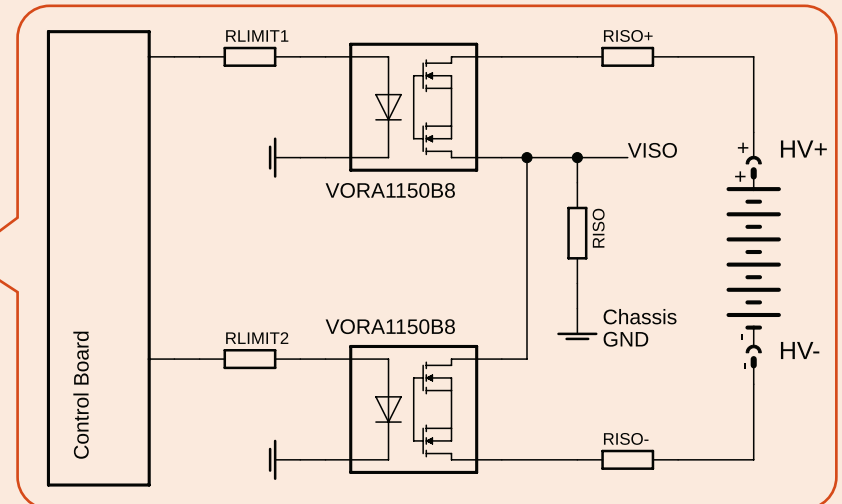
EV / HEV BATTERY
CHARGING STATIONS



AUTOMOTIVE



SOLID-STATE RELATION IN ISOLATION MEASUREMENT CIRCUIT



VISHAY COMPETITIVE ADVANTAGE

Blocking voltage = **1500 V**

Leakage current = **1 μ A (max.)**

Creepage in between output pins > **5 mm**

Input to output creepage > **8 mm**

Continuous isolation voltage

$$V_{IORM} = 1414 V_{pk}$$