

Automotive Grade Pre-Charge / Discharge Resistors

NEW



High Power Ceramic Cased Resistors

- BGRV wirewound resistors – designed to withstand the high inrush currents present in Electric Vehicle pre-charge circuits.
- BWRV wirewound resistors – features lower resistance values as well as improved T.C.R. and tight resistance tolerances.
- BSRV metal oxide resistors – designed for the capacitor discharge function in the DC/DC converter and in Electric Vehicle discharge circuits.

All 3 resistor series are available with spade/lug terminals for use in wiring harness or connector blocks.

BGRV, BSRV, BWRV Series



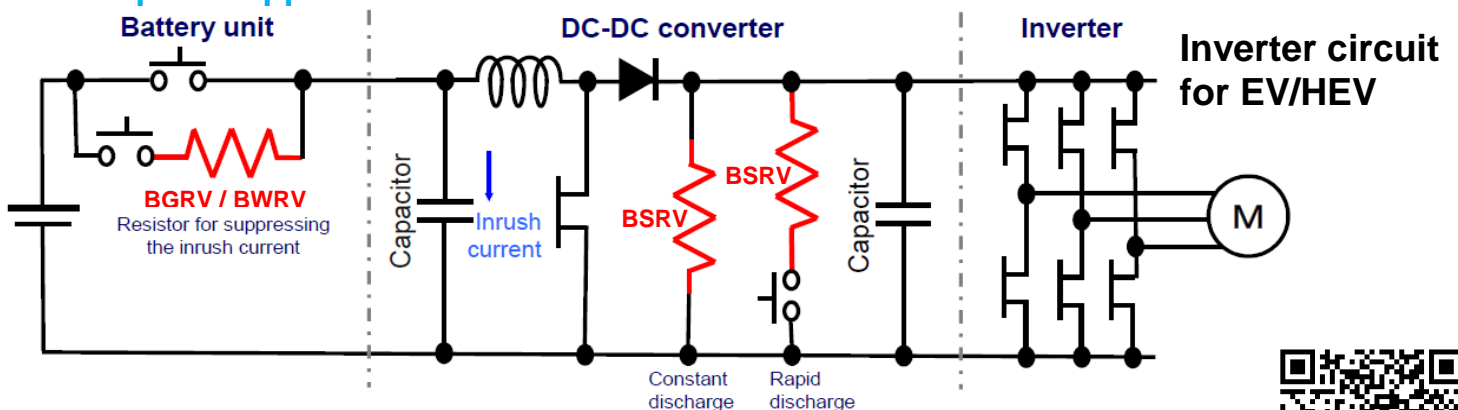
Product Features

- High reliability, suitable for automotive applications
- Excellent inrush current withstand characteristics
- Excellent overload performance
- Optional 'quick connect' terminals
- Flame-retardant ceramic case
- 1 Ω...75 kΩ
- ±5 % or ±10 %
- 3 W ... 40 W
- Operating temperatures up to +155 °C
- Tested acc. to AEC-Q200 requirements
- EU-RoHS compliant

Application Examples

- Battery unit / inverter circuits for automotive electronics (HEV, EV, PHEV, FCV)
- Pre-charge circuit of electric vehicle (BGRV, BWRV)
- Discharge circuit of electric vehicle (BSRV)
- On board car charger
- Industrial converter / inverter

Example of Application Circuit



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