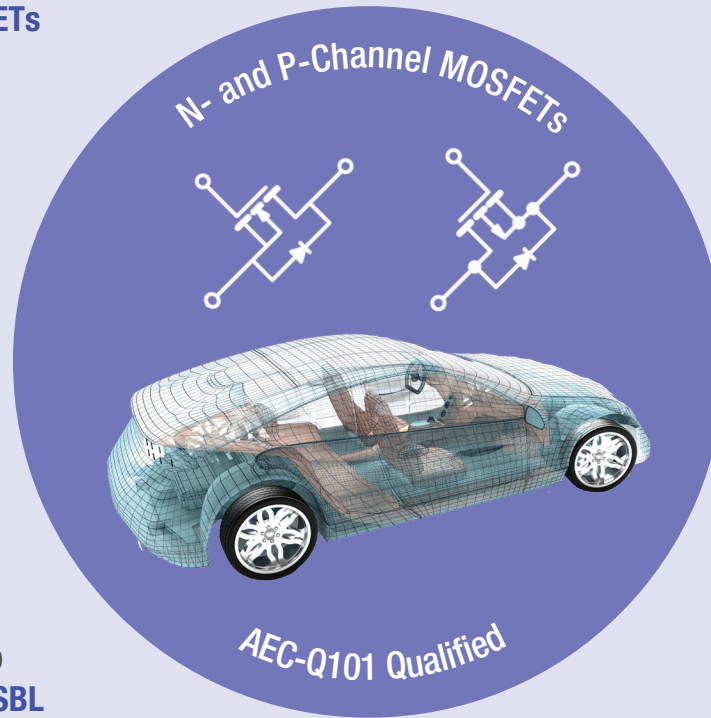




AUTOMOTIVE TrenchFET®

SQ SERIES POWER MOSFETs

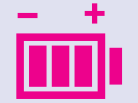
- Wide range of **n- and p-channel MOSFETs**
 - N-ch $V_{DS} = 12\text{ V to }300\text{ V}$
 - P-ch $V_{DS} = -12\text{ V to }-200\text{ V}$
- Available in **single, dual, and dual asymmetric configurations**
- **Highly efficient** packages with power density up to 11 W/mm^2
 - $R_{DS(ON)}$ down to **0.9 mΩ**
- **AEC Q-101 qualified** to $+175\text{ °C}$
- Latest trench technologies optimized for **low conduction and low switching losses**
- Product testing includes extended temp screening with dynamic **PAT, SYL, and SBL** to reduce defects



APPLICATIONS



AUTOMOTIVE



CAR BATTERIES



INFOTAINMENT



LIGHTING



BRAKING

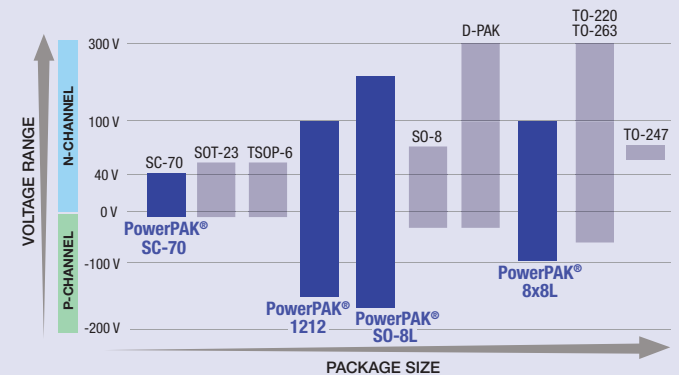


ELECTRIC VEHICLES



POWER TRAIN

SQ Package Portfolio



Compact PowerPAK® packages ~ optimized for high board-level reliability				
PowerPAK® 8x8L 8 mm x 8 mm	PowerPAK® SO-8L 5 mm x 6 mm	PowerPAK® 1212 3.3 mm x 3.3 mm	PowerPAK® SC-70 2 mm x 2 mm	KGD Known Good Die 1 m x 1 mm to 8 mm x 12 mm