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Power System of a New Generation: Modern Power Electronics Devices Overview

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Note: The content is a subject of a trade secret.

Annotation

This report presents the overview of modern power electronic devices suitable for converter design of a new generation vehicle-powered air conditioning and cooling application.

The main focus is taken to Si modules for automotive applications based on spring contact technology (MiniSkiips) suitable for industry prototype and special devices based on SiC and GaN for technology demonstrator.