

The World's First SiC Inverters for Railways

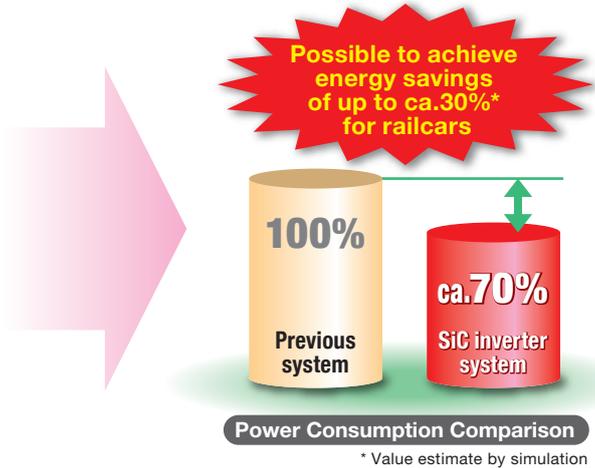
Mitsubishi Electric has produced the world's first large-capacity power modules equipped with silicon-carbide diodes to be applied in the manufacture of inverters used in railcar systems. This pioneering achievement is contributing to the dissemination of eco-conscious railcar systems at the global scale.



Features

1 Energy-saving operation

- SiC modules operate at high temperatures with minimal power loss enabling operation under high-current and high-frequency modulation conditions
- Regenerative braking at all speeds ensures effective utilization of regenerative power
- Actualization of optimal main circuit systems, including traction motors



2 Compact / Lightweight

