

# Electrical Equipment for High Speed Rolling Stock





# Fuji Electric produces electrical equipment for Shinkansen (bullet) trains, contributing to the famously safe, high-speed operation of Shinkansen trains.

The technical principles are as follows:

- **Reduced Noise Level:** To increase the comfort of passengers and people living near the tracks.
- **Increased Efficiency:** To achieve a high-target of reduction of energy consumption.
- **Downsizing:** To produce high-strength cars by effectively using the limited space.
- **Outstanding Reliability:** To assure ultimate passenger safety and scheduled operation by minimizing failures.
- **Maintenance Saving:** To facilitate maintenance work and to prolong the interval between maintenance.

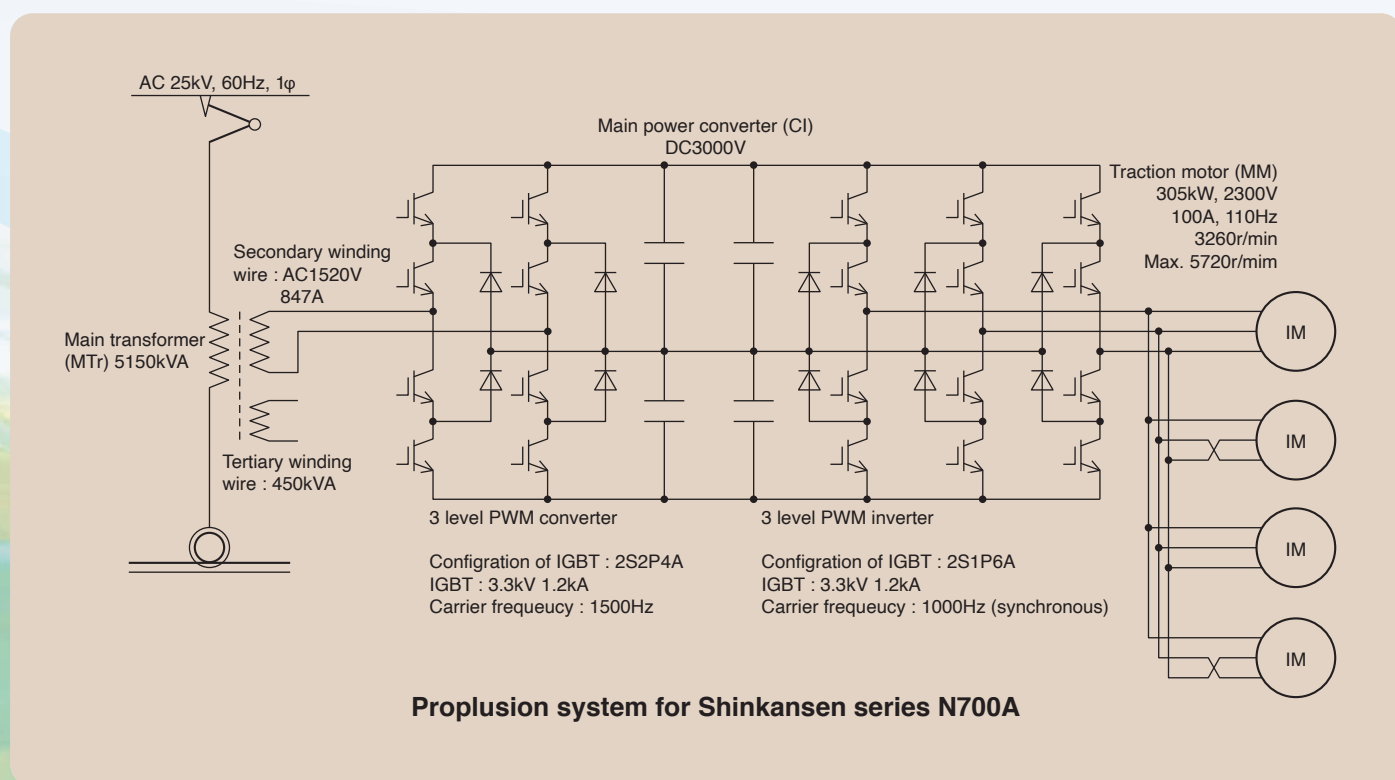


## Propulsion system for Shinkansen train

Propulsion system of our company, which is based on the latest power electronics and system control technology, offers the following features:

- Superior performance, functions and efficiency
- Superior stability at high-speed operation
- Outstanding reliability
- Low-noise level
- Smaller size

### Main Circuit System



Main power converter



Traction motor



Main transformer



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