Station Energy Saving Inverter (S-EIV)*

Effectively utilize trains’ regenerative energy. Energy savings for entire station buildings.

Main Features

1. When power generated by trains during braking cannot be fully used by other trains, S-EIV supplies the surplus power to electrical equipment in station buildings for significant energy savings.

2. Dust-proof, rust-resistant and virtually maintenance-free, monitoring and control functions ensure reliable operation.

*“S-EIV” is a registered trademark of Mitsubishi Electric Corporation.
## Product Features

1. **Compact enough to install at the end of a station platform**
   Power equipment can be carried through a door with the minimum size of H2000mm x W1200mm. This enables the equipment installed not only at the end of platform, but also in a small space in the electric room.

2. **Advanced power electronics technology**
   SiC power module ensures low power loss. Use of a high-frequency linked system contributes to reduced size.

3. **Grid interconnection technology**
   Stable high quality electric power are ensured by grid interconnection technology developed from power conditioners for solar power. S-EIV features reactive power control to stabilize output voltage.

4. **Minimal maintenance**
   The use of durable components and adoption of a fanless natural air-cooled design ensures minimal maintenance even when installed outdoors.

5. **Monitoring of operating status via control panel**
   All necessary functions for operation and monitoring are installed. - Operation/Status monitoring/Measurement, recording and display of the trend data/interface with upstream equipment.

### Performance at Myoden Station
**Tozai Line, Tokyo Metro Subway System**
Energy saving effects of 600kWh per day (equals to power consumption of 60 households) was verified.

### Power Equipment Specifications
- **Rated Capacity**: 200kW-30 seconds in every 3 minutes
- **Input Voltage**: DC 1500V, DC750V, DC450V
- **Output Voltage**: 210V/600V AC S400l to 3 phases
- **Main Circuit System**: High-frequency link system
- **Cooling System**: Natural air-cooling

### Control Panel Specifications
- **Configuration**: Touch-panel style operating display
- **Control Functions**: On/Off, operating mode selection, Control settings
- **Display Functions**: Operating status and fault display, measurements
- **Measurement and Recording Functions**: Input/output voltage, current, energy
- **Warning Functions**: Contact interface/wireless communication network/public telephone network
- **Size and Weight**: W400mm x D2000mm x H500mm, 28kg

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