

TOSHIBA

Leading Innovation >>>

Customizable Traction Power Converter for EMU

Roof mounting / Top panel maintenance

Fits both roof and under floor

Compact Size

Underfloor mounting / Side panel maintenance

Easy Maintenance

User-friendly

Environment Resistance

To meet various mounting conditions, Toshiba offers a customizable traction power converter for EMU.

Component layout and wiring are improved to seek not only a more compact size but also easier maintenance. Optionally, the use of SiC power devices will lead to higher efficiency, lower noise, and lighter weight.

Toshiba keeps providing high reliability, short lead-time, and long lifetime products, and innovating breakthrough technologies in order to offer various benefits to railway systems.

Customizable Traction Power Converter for EMU

Mounting Options

- Roof Mounting
- Underfloor mounting

Compact Size

Layout streamlining and application of miniaturized components. Size can be customized based on specific requirements.

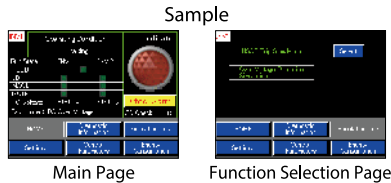
Basic Dimensions	Length	1980 mm
	Width	1460 mm
	Height	450 mm

Environmental Resistance

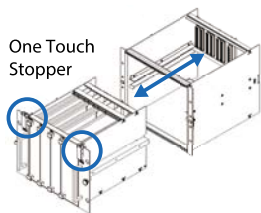
Durable stainless steel is adopted as box material.

LCD Touch Panel

Instant diagnosis is possible with an onboard LCD screen.

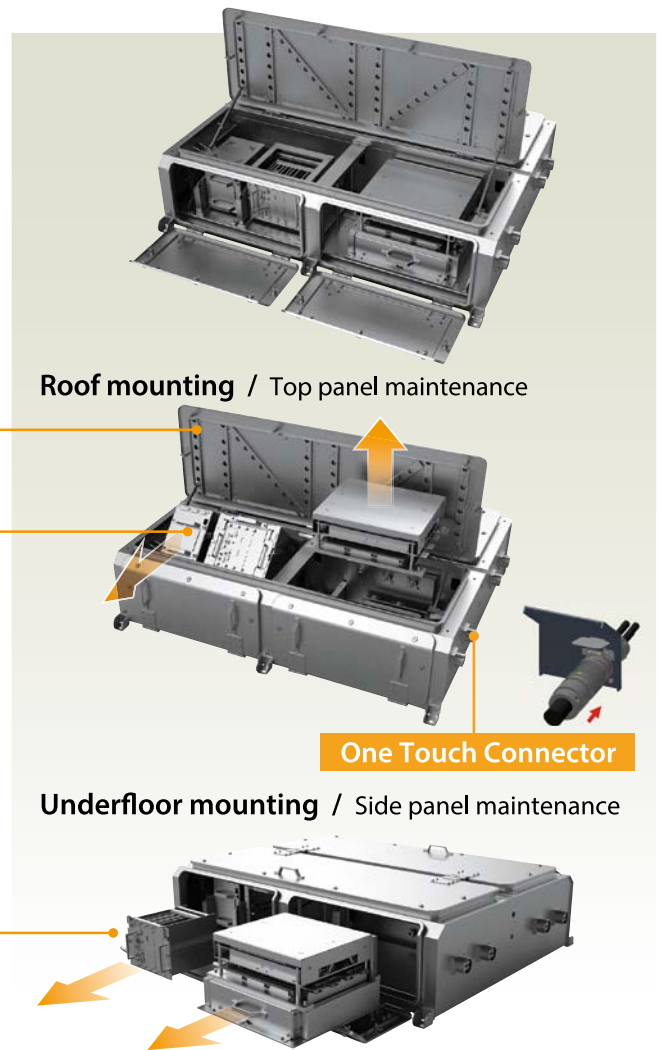


Smart Wiring



Wiring reduction and easy attach/detach structure

- Back unit wiring
- Rack mounted unit



Basic Specifications

Electric Systems	25 kV AC 50 - 60 Hz, 15 kV AC 16.7 Hz., DC Voltages (optional)
Circuit Configuration	Converter, Inverter, DC-Link with overvoltage protection, filter capacitor, input line contactors, etc.
Weight	650 kg
Operating Temperature	EN 50155 T3: -25 °C to 45 °C
Installation	Roof mounting or underfloor mounting
Output Power	250 kW x 4 (continuous rating)
Traction Motor Type	AC Induction Motor (Asynchronous Motor), PMSM (Permanent Magnet Synchronous Motor)
Cooling System	Water cooling
Compliant Standards	Compliant with related IEC and EN rail standards

Find out more about Toshiba transportation solutions on <http://toshiba-railway.com>

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