

Toyota Fuel Cell (FC) Module



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The fruit of many years of Toyota Fuel Cell Electric Vehicle(FCEV) development, the FC module has high safety and reliability, as well as mountability, usability and durability for the commercial vehicle's use. It is an integrated system module that meets the needs of customers and is easy to install and use.



TFCM2s-B
(Type I Box)



TFCM2s-F
(Type II Flat)

1 Safety and reliability

- Benefits from the hydrogen and high-voltage safety measures cultivated through the development of electrified vehicles such as FCEVs and Hybrid Electric Vehicles.
- Adapted to a broad range of environments, including operating at high and low temperatures, high altitudes, and when subjected to vibration.
- Toyota provides support for determining the optimal layout and design based on customer needs.

2 Mountability and usability

- The wide voltage range and dedicated boost converter allows it to connect directly to existing electrical systems.
- Four module variations are provided for different uses. These can be combined flexibly adapting to the output level and amount of installation space available.
- Modularization facilitates the installation design and connections between components. Consolidating the connection locations provides higher installability.

3 Durability

- Improved durability in key parts compared to MIRAI.
- Maintenance is simple and not required frequently, helping to reduce the total cost of ownership.

TOYOTA

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Main specifications

| | TFCM2s-B (Type I Box) | TFCM2s-F (Type II Flat) |
|-------------|--------------------------|----------------------------|
| Size | 890×630×697mm | 1,270×630×410mm |
| Mass | Approx.235kg | Approx.240kg |
| Rated Power | 65kW/85kW 2 types | 65kW/85kW 2 types |
| Voltage | 400~750V | |

Example of connection between FC module and external equipment (visualization)

