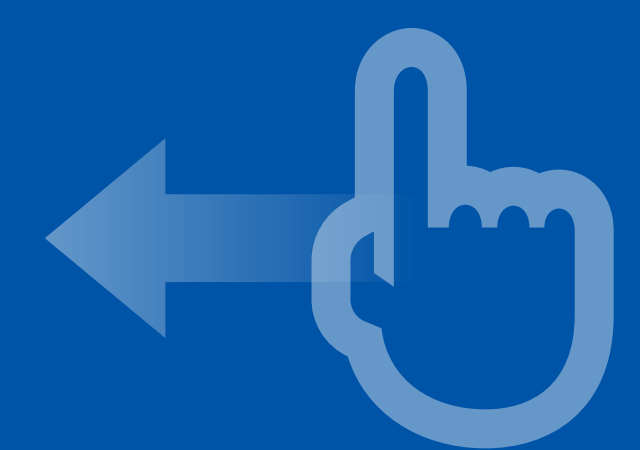


DC-DC Converter



Models that Use the Converter



Toyota Prius PHV

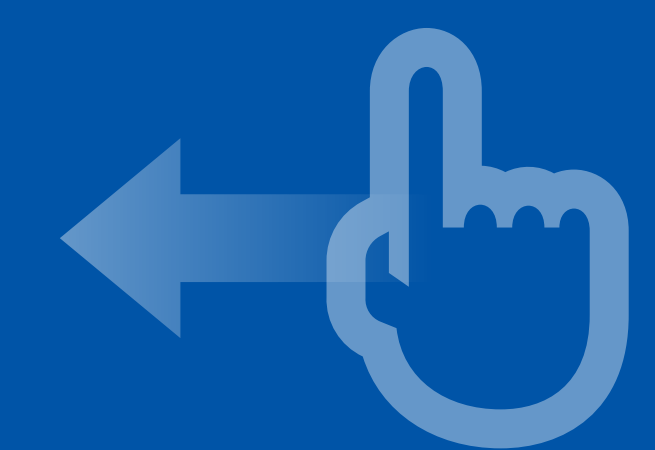


Toyota Prius



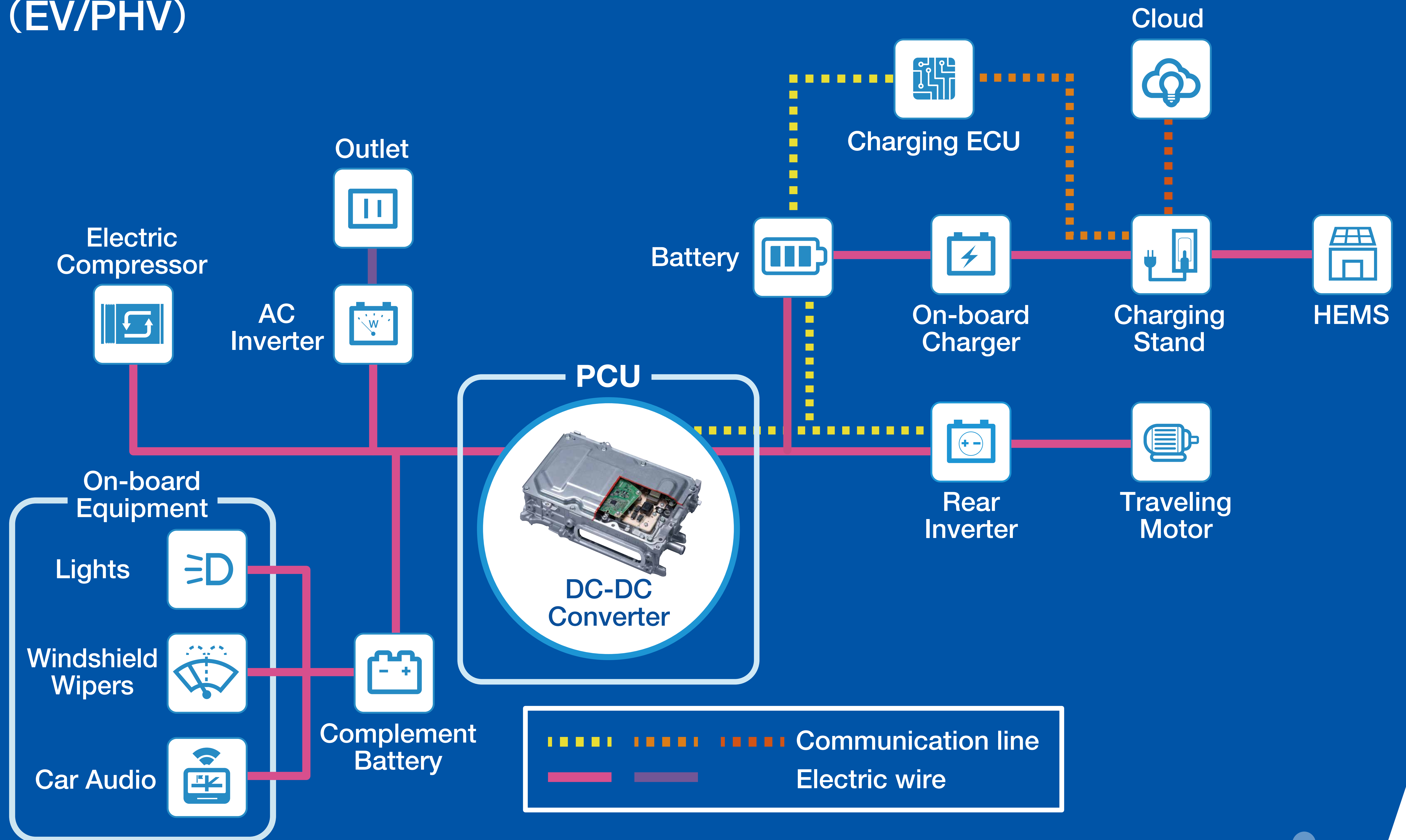
Toyota C-HR

DC-DC Converter

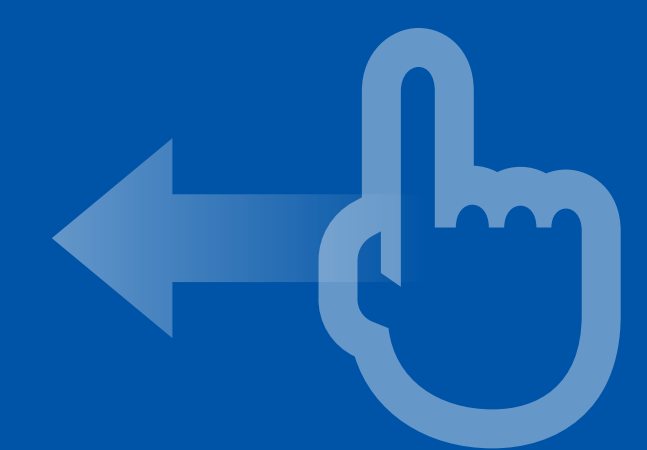


System Diagram

(EV/PHV)

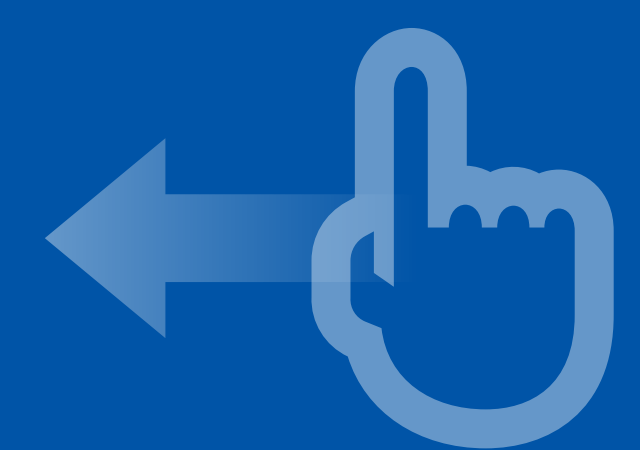


DC-DC Converter



- Converts high-voltage power from the hybrid vehicle battery to 14V. Supplies electricity to the lights, windshield wipers, and other equipment.
- The converter is smaller and lighter as a result of use of a thick copper heat-dissipating substrate.

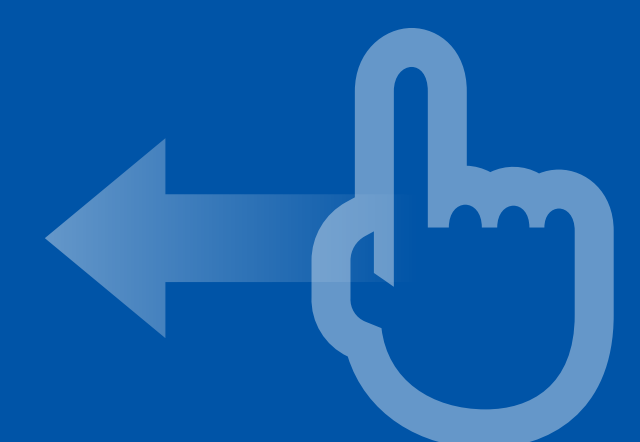
DC-DC Converter



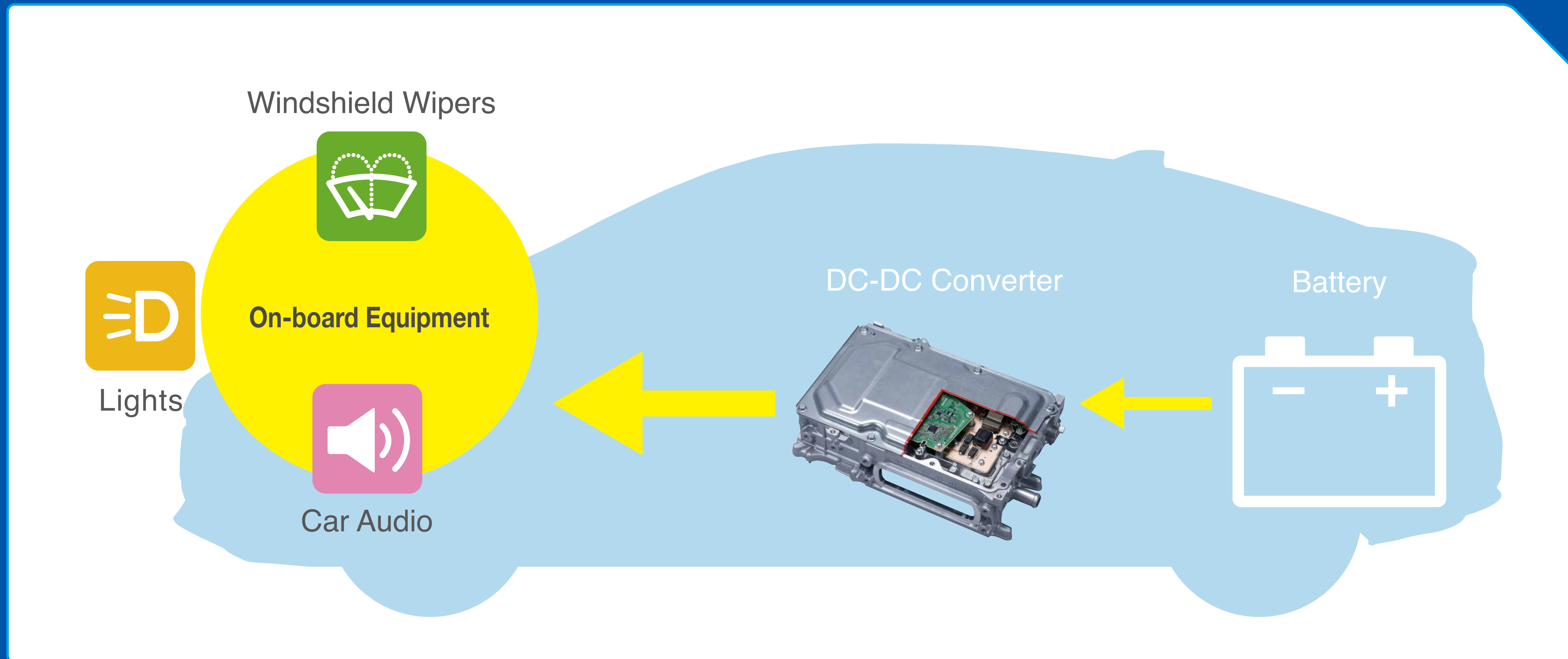
Specifications

Input voltage range	140V~280V
Output voltage	14V
Output power	1,400W
Size	0.7L
Weight	600g
Cooling method	Water cooling
Location	Inside the engine compartment

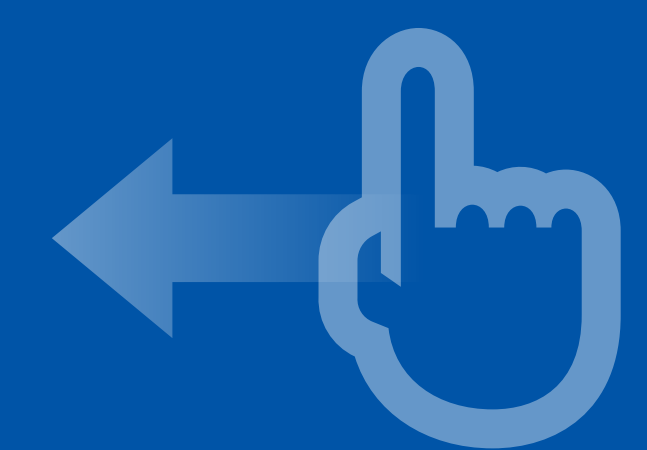
DC-DC Converter



System Diagram



DC-DC Converter



54

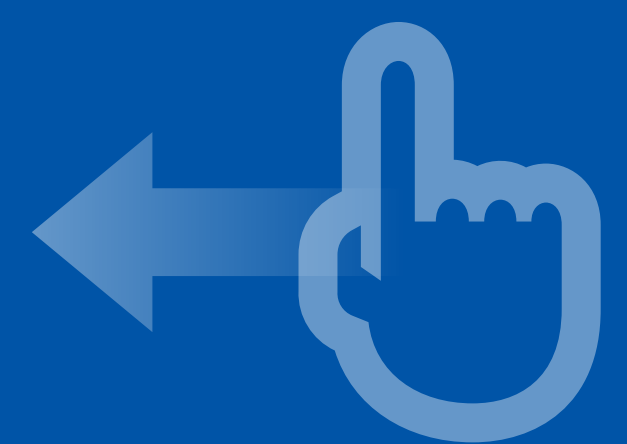
%

improvement in
output density



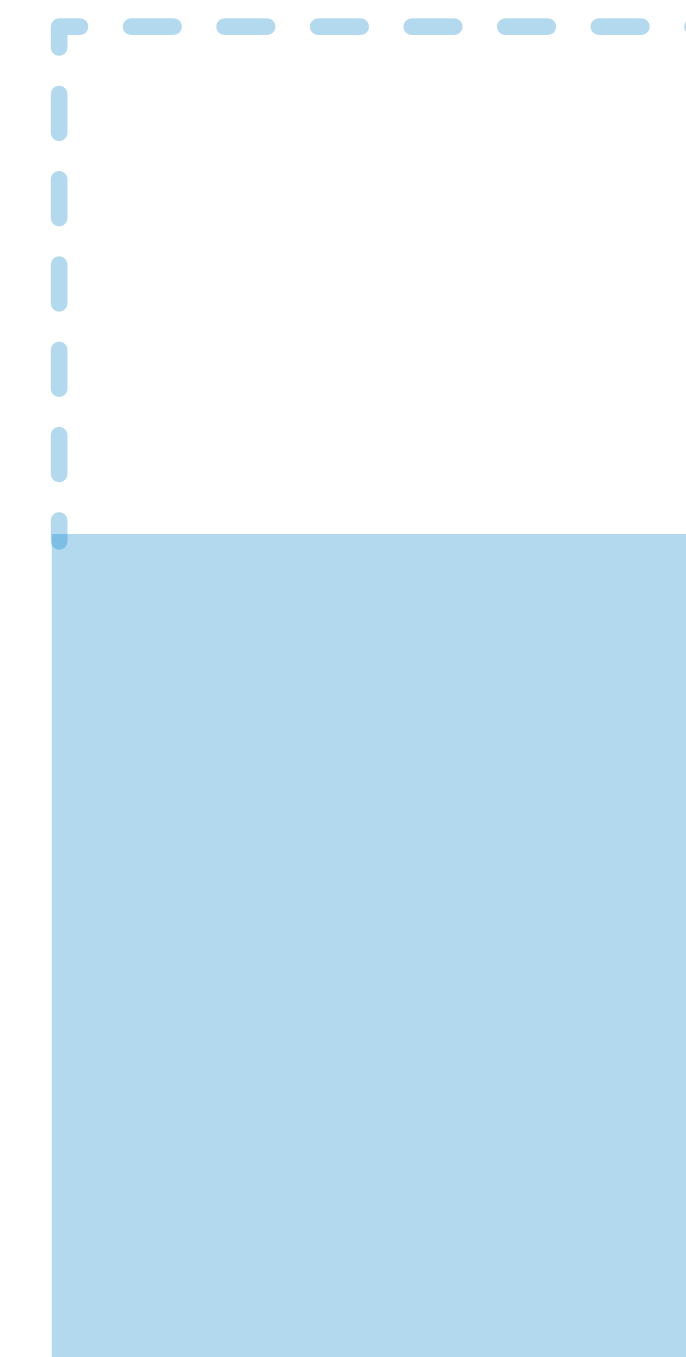
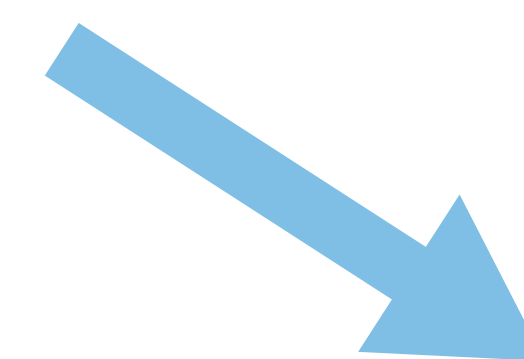
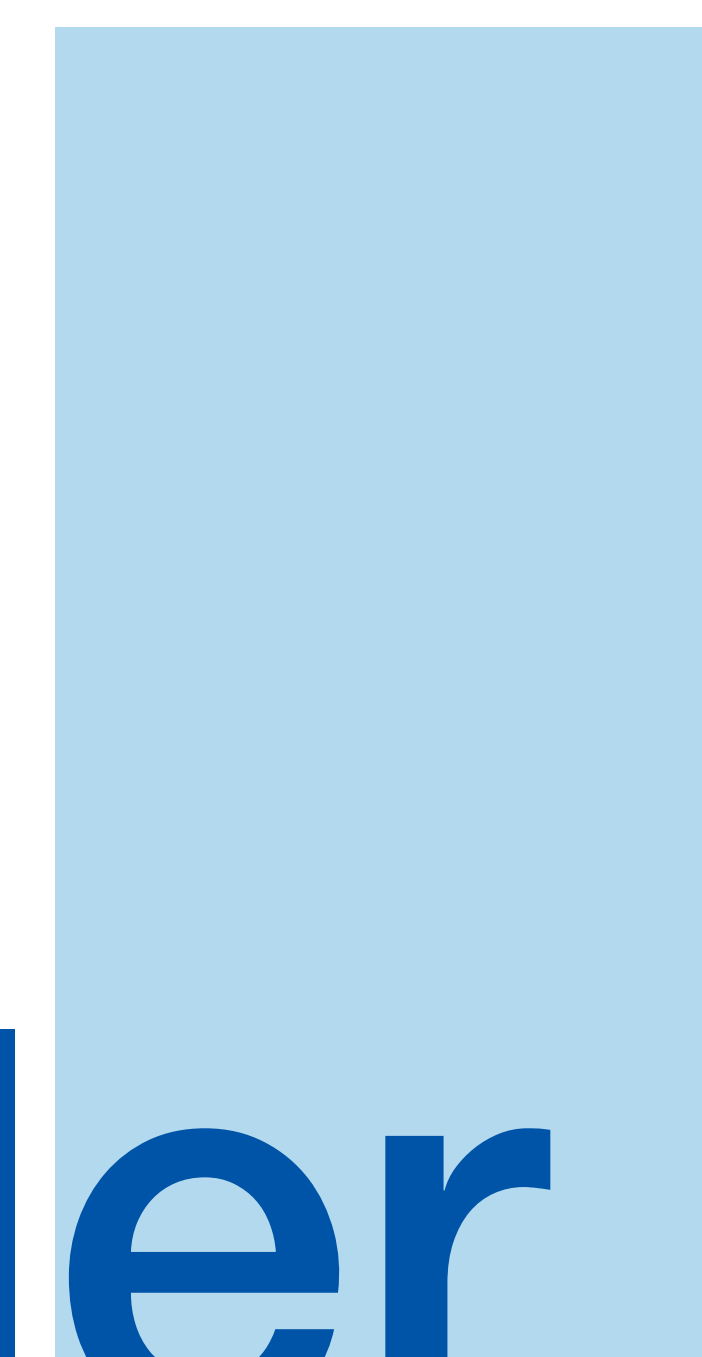
- Compared to earlier models, output density has been improved 54%.

DC-DC Converter



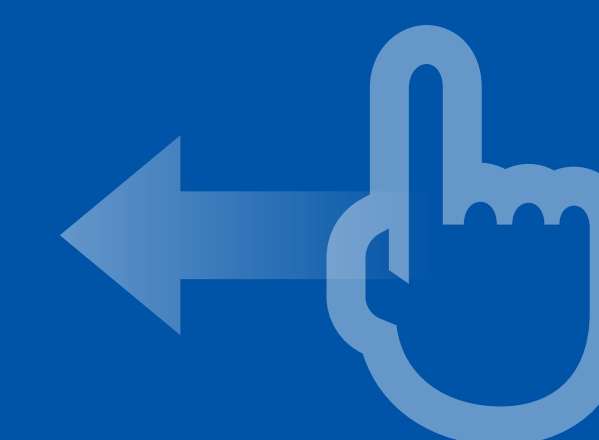
46%

smaller



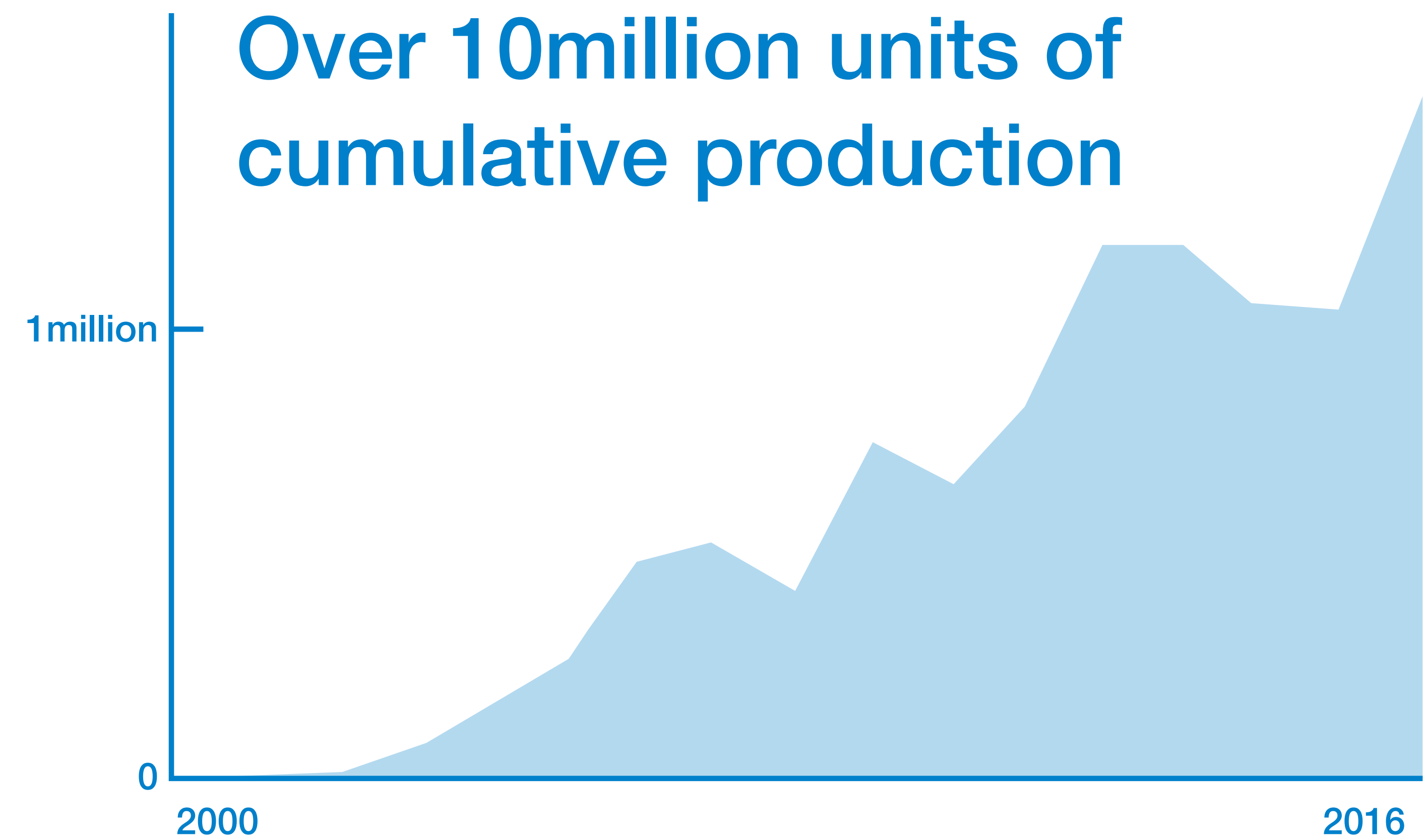
- The converter is 46% smaller than previous models.

DC-DC Converter



Cumulative production

No.1



- Cumulative production of the DC-DC converter for hybrid vehicle is over 10million units.

DC-DC Converter

