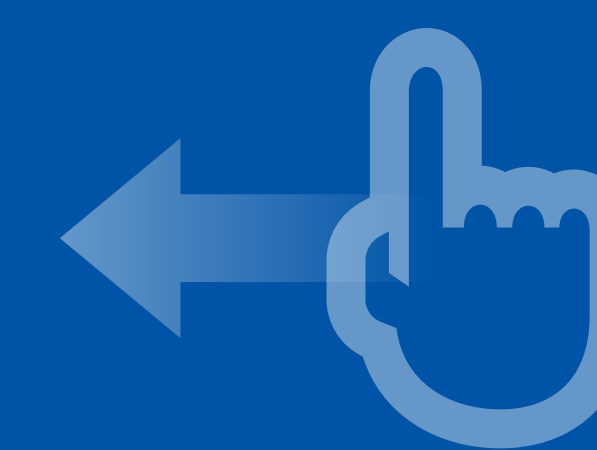


On-Board Charger

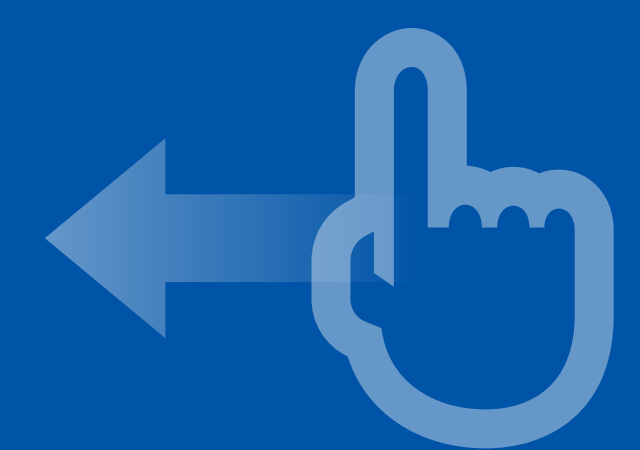




Used on the Toyota Prius PHV

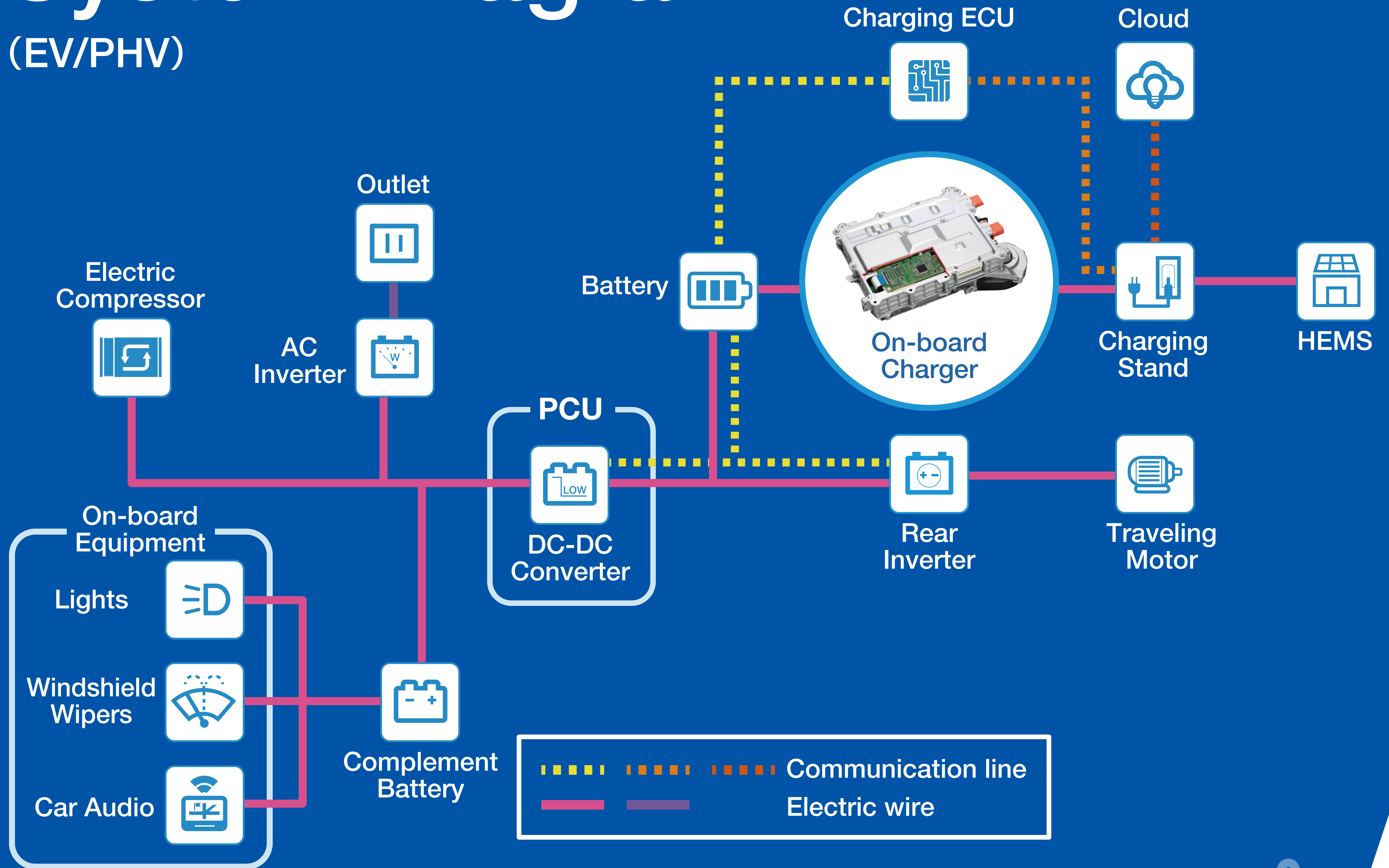


On-Board Charger



System Diagram

(EV/PHV)



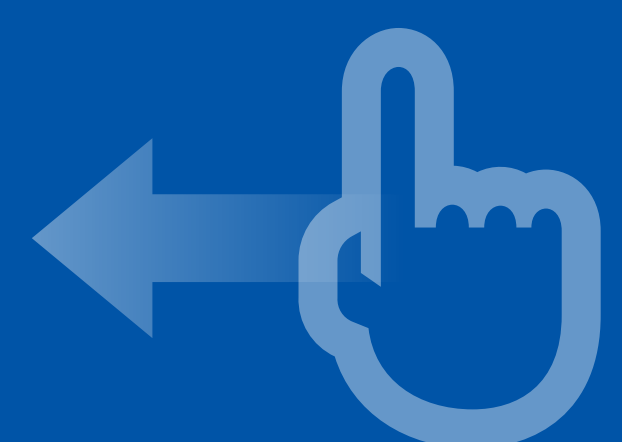
On-Board Charger





- Converts household AC voltage to DC voltage to charge high-voltage on-board batteries.
- Raises charging efficiency using a control method that minimizes losses when converting from AC to DC.

On-Board Charger

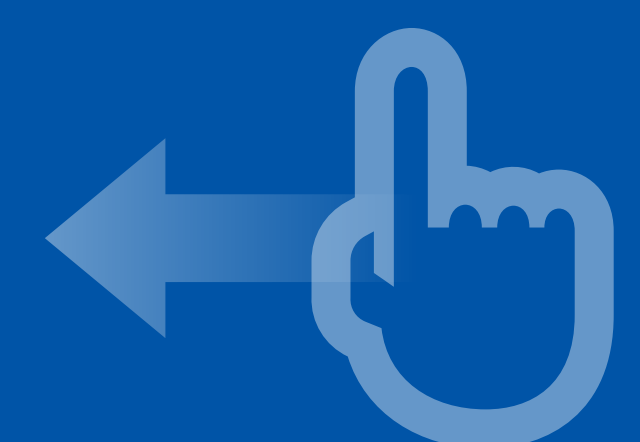




Specifications

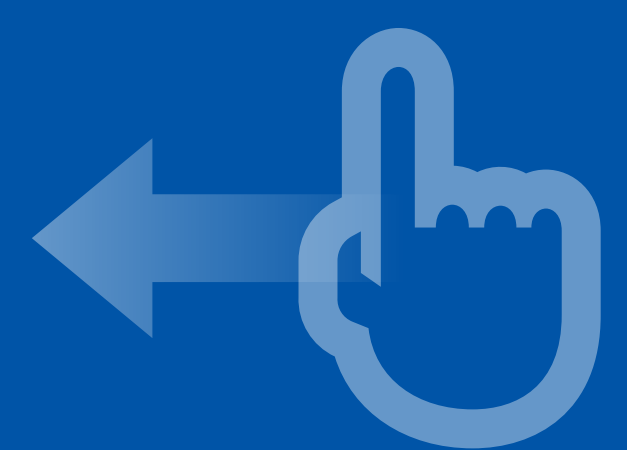
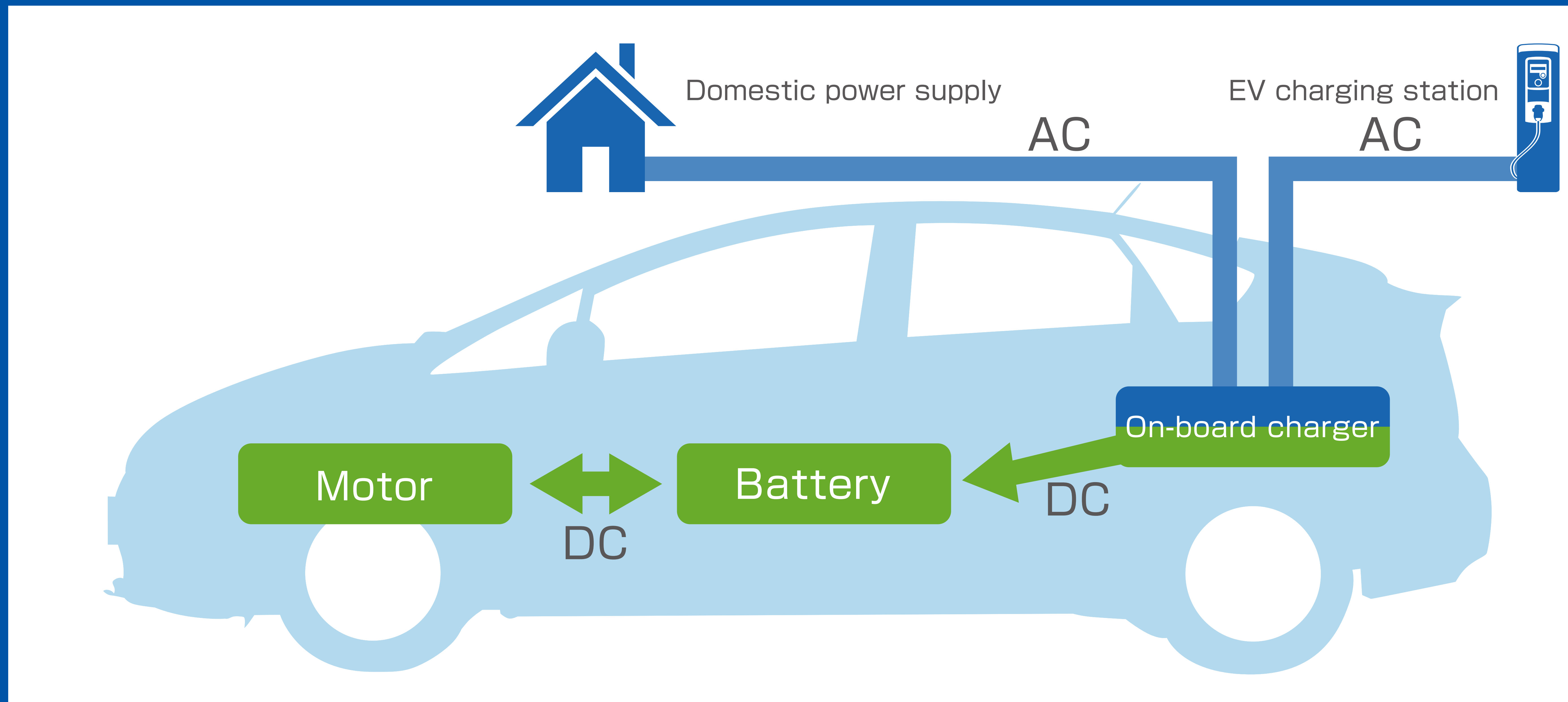
Maximum output	3.3kW (@AC240V)
Rated input voltage	AC100~AC240V
Charging the battery voltage	282~396V
Volume	4.4L

On-Board Charger



Roles of the On-Board Charger

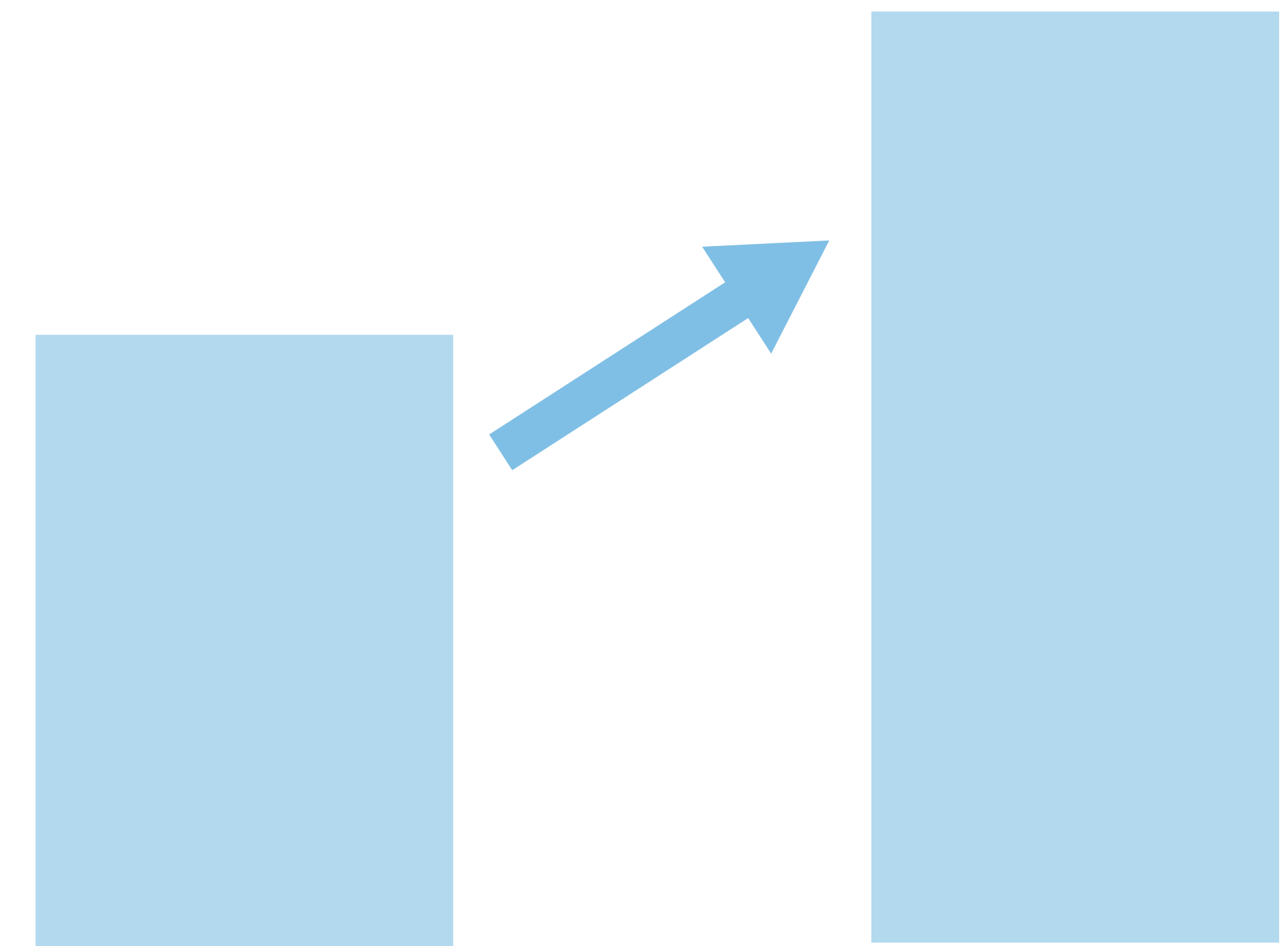
- Converts household AC to DC and charges on-board batteries





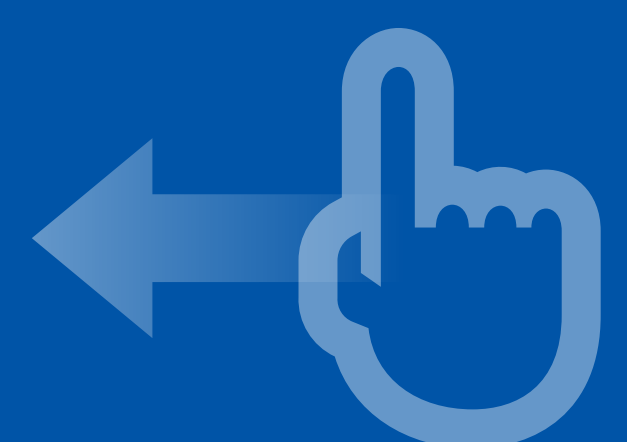
Approximately

1.7 Times



- Charging output to the battery is approximately 1.7 times higher than previously.

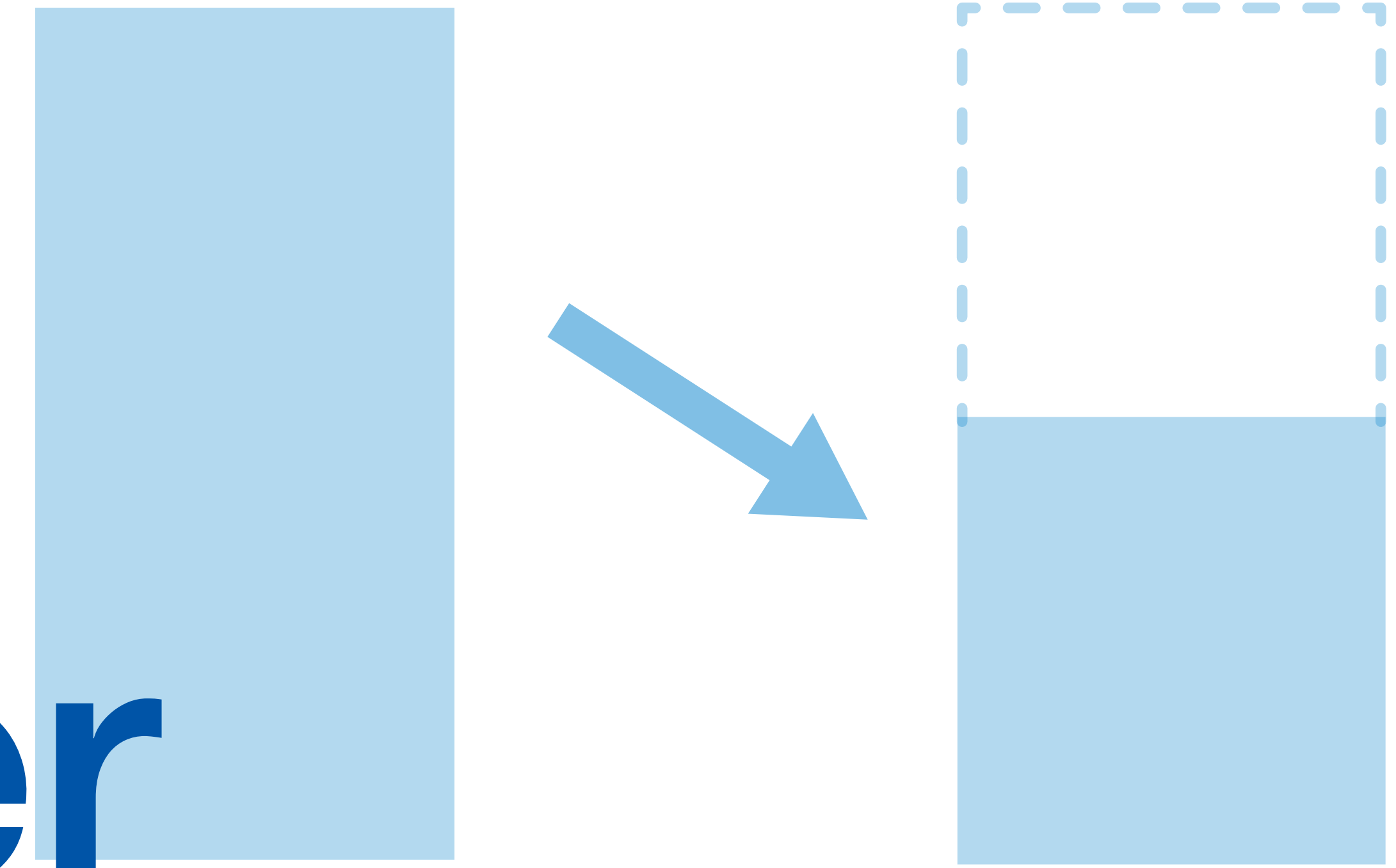
On-Board Charger





Approximately

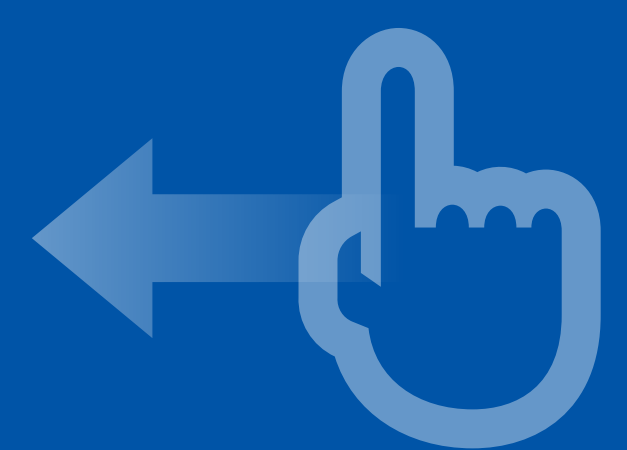
50%
smaller



- The charger has been made approximately 50% more compact than earlier versions by incorporating the charger into the charge system ECU*, which previously was a separate unit, and raising cooling performance.

*Electronic Control Unit

On-Board Charger





Used anywhere in the world

- Supports a wide input voltage range from 100V to 240V.

On-Board Charger

