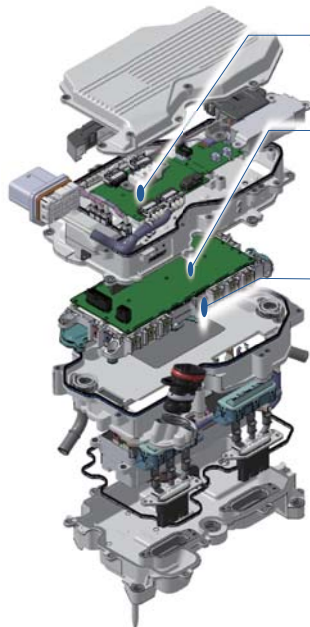
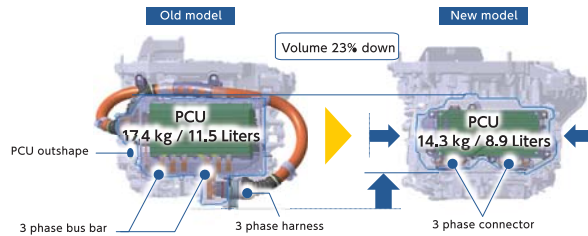


Smart ECU / Components

Power Control Unit (PCU)



Achieve compact IPM and world-top level output density by new technology



Motor ECU board

Small printed circuit board by 1 CPU

Gate drive board

Small printed circuit board by consolidating IC

Intelligent power module (IPM)

High performance, power semiconductor
One side direct water cooling structure

Power Control Unit

Damping / vibration-proof design

POINT 1

World top class output density 43.6kVA/liter※

Achieve high power/compact PCU by high Performance/power semiconductor and direct water cooling structure.
Improve mount ability of vehicle.
Contribute to wide cabin space.

POINT 2

Direct placement of transmission

Improvement of vehicle layout and assembly performance by damping/vibration-proof design.
Contribute to reduce parts of 3 phase harness and achieved cost down.

※Researched by Keihin in 2016