

Direct Drive iSG for HEV

[P1HEV system with torque converter]

EXEDY

開発中
Under Development

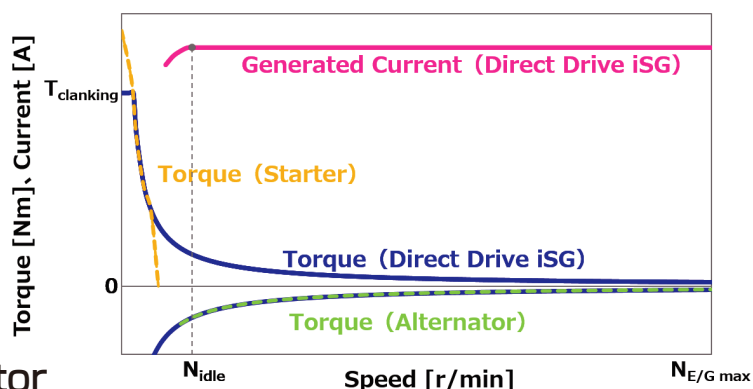
As part of our company's electric technology, we are independently developing an iSG (integrated Starter Generator) that directly drives the engine without using a belt. Generally, starter generators used for power generation and driving installed in commercial vehicles, are belt-driven. However, our company's "Direct Drive iSG" is a starter generator installed around the torque converter or clutch, and therefore connects directly to the engine without the use of a belt. With this product we aim to improve fuel economy by reducing friction loss, achieve a cost reduction and save space by integrating and eliminating parts.

Concept

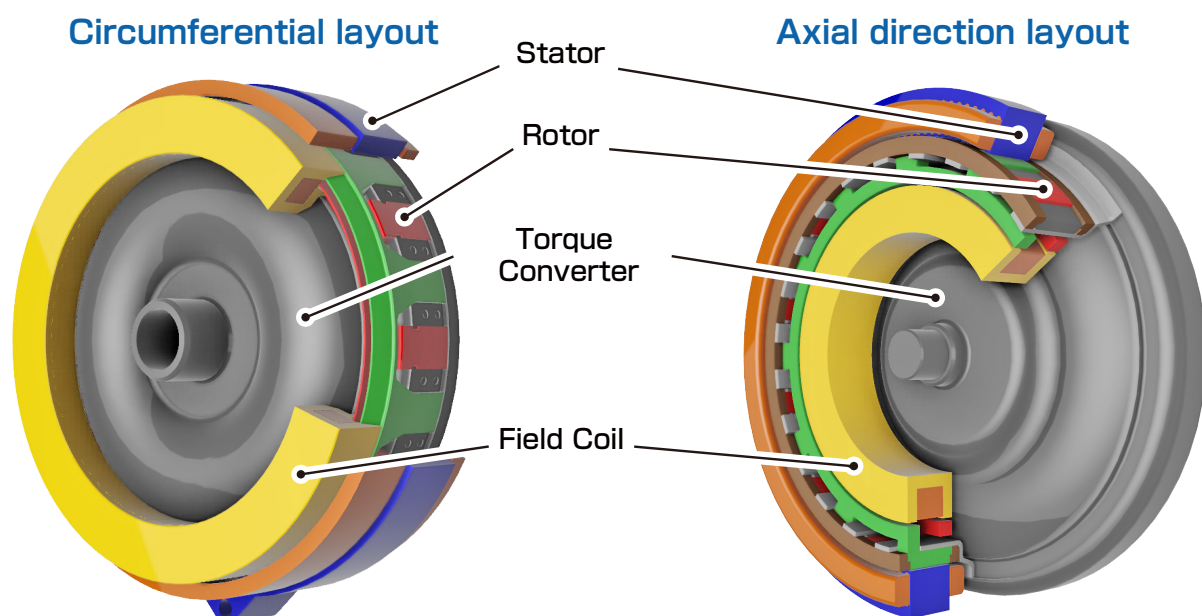
Achieving direct drive for ICE by integrating iSG with the torque converter or clutch

Features

- **Direct Drive**
(Reducing belt loss and engine starting noise)
- **2 in 1**
(Cost reduction / Space conservation)
- **Variable characteristic motor**



Structure / Appearance



Developed for both 12V and 48V