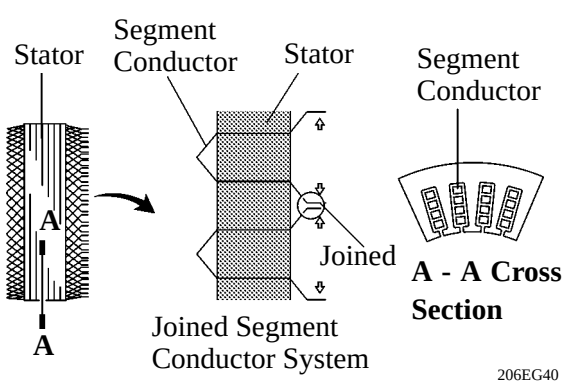
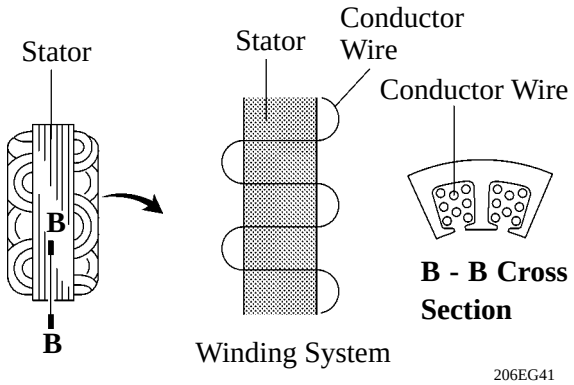
■CHARGING SYSTEM

1. General

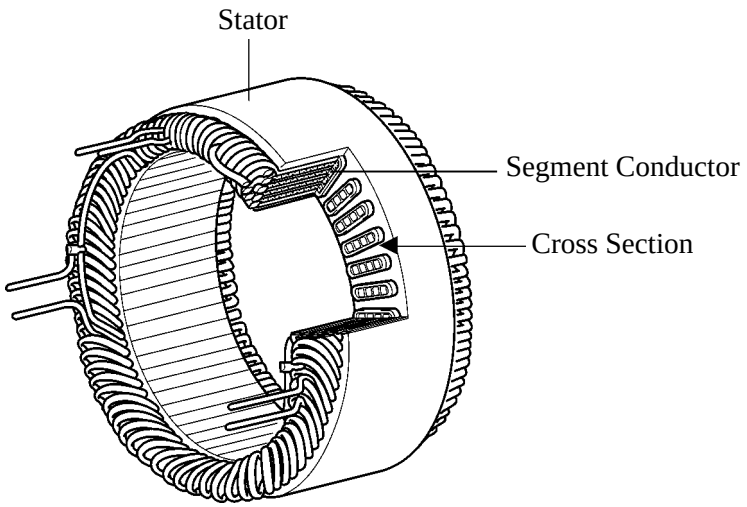
- A compact and lightweight segment conductor type generator is used. This type of generator generates a high amperage output in a highly efficient manner.
- This generator uses a joined segment conductor system, in which multiple segment conductors are welded together to the stator. Compared to the winding system of the conventional type generator, the electrical resistance is reduced due to the shape of the segment conductors, and their arrangement helps to make the generator more compact.



Segment Conductor Type Generator



Conventional Type Generator

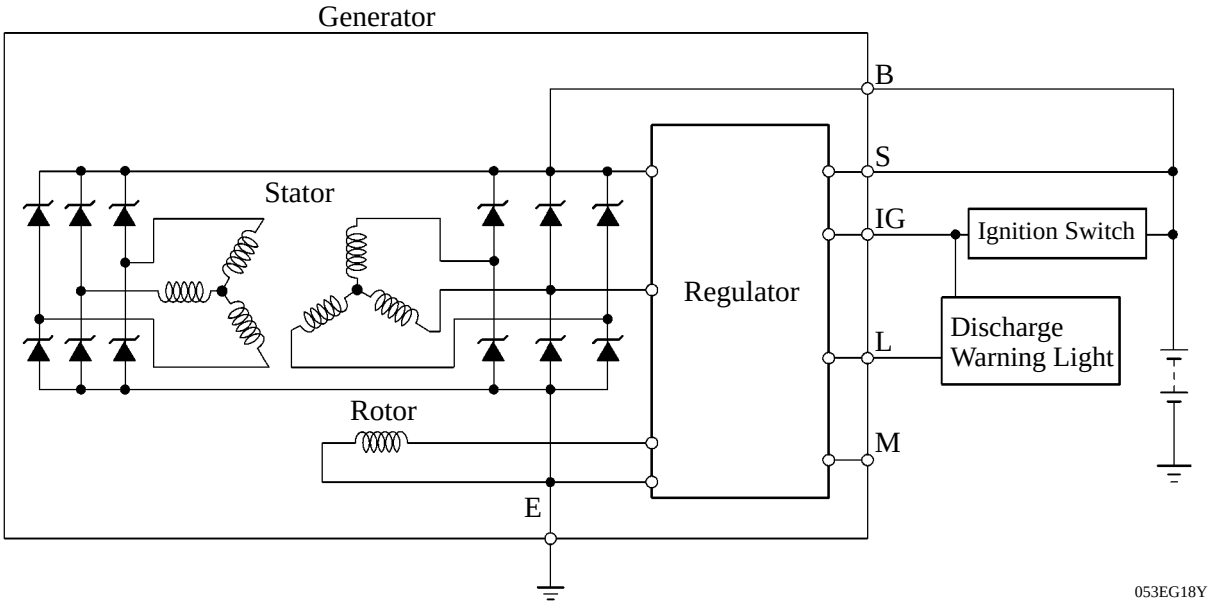


Stator of Segment Conductor Type Generator

▶ Specifications ◀

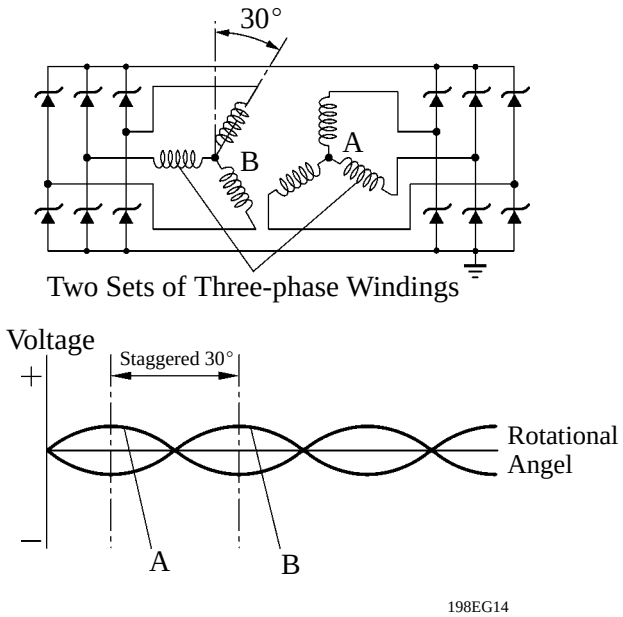
Type	SE0
Rated Voltage	12 V
Output Rated	150 A

▶ Wiring Diagram ◀

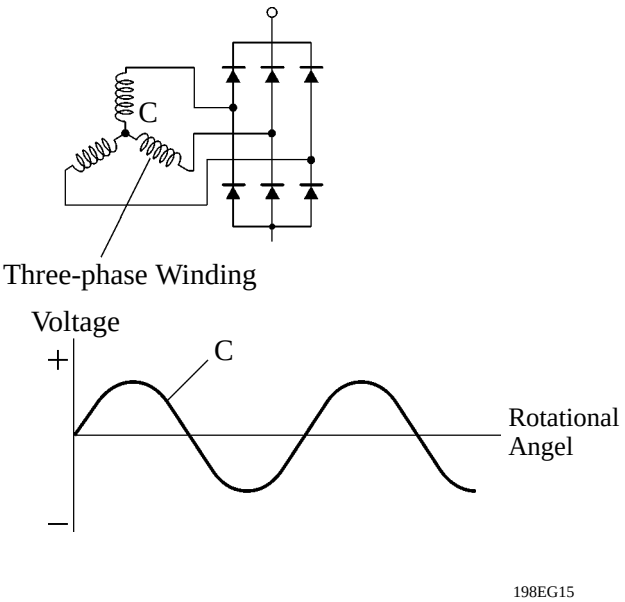


2. Dual Winding System

This type generator uses a dual winding system. This system consists of two sets of three-phase windings whose phases are staggered 30°. Because the magnetic fluctuations of the respective windings cancel each other out, magnetic noise and radio frequency interference are reduced.



Dual Winding System Type Generator



Conventional Type Generator

3. Generator Pulley

A one-way clutch is set to the generator pulley. Operation of the one-way clutch cancels generator pulley inertia and helps to prevent slipping of the V-ribbed belt. This realizes a low tension V-ribbed belt that achieves reduced friction.

