

1 Prepare. Record. Isolate.

Installation & Commissioning Guide / GE IS200ERSDG1A

Service the ERSD converter within the installed regulator power-conversion assembly. Isolate all applicable energy sources and use the unit-specific circuit diagrams before disconnecting the assembly.

WORK READINESS

01 / Identity

Record the complete model and installed assembly.

02 / Documents

Obtain the manufacturer manual and unit-specific drawings.

03 / Baseline

Capture cable labels and configuration before work.

04 / Authorization

Use the plant-approved maintenance and isolation procedure.

INSTALLATION CHECKS

- 1 Identify the full IS200ERSDG1A model and installed assembly before service.
- 2 Isolate all applicable AC and DC sources under the plant lockout procedure.
- 3 Verify incoming terminals are de-energized with the appropriate measuring instrument.
- 4 Confirm the generator is stopped and its rotor is not moving before converter-assembly replacement.

Hold point

Confirm the installed configuration and safe isolation status before proceeding. These checks establish no new product ratings.

PRODUCT SUPPORT

+86 180 3023 5313
sales13@apterpower.com
www.apterpower.com



IS200ERSDG1A

2 Inspect. Verify. Release.

Installation & Commissioning Guide / Commissioning record

REMAINING SERVICE CHECKS

- 1 Isolate the applicable power potential transformer fuses or breaker as required by the unit procedure.
- 2 Verify stored capacitor energy has discharged by measurement; elapsed time alone is insufficient.
- 3 Label wires and connectors before disturbing the power-conversion assembly.
- 4 Inspect the installed K3 relay and check system alarms after maintenance using the EX2100e procedure.

ACCEPTANCE & HANDOVER

Acceptance record	Evidence to retain
Connections	Labels and documented paths match the original record
Stored energy	Incoming terminals and capacitors measured
Functional verification	Prescribed inspections and system alarm/fault checks
Handover	Full model, work performed and observations recorded

Manufacturer procedure

GEH-6784D, EX2100e Excitation Control Maintenance Guide: glossary p.16; maintenance p.21; power-conversion assembly and replacement pp.34-38.

System-level checks do not establish independent board ratings.

PRODUCT SUPPORT

+86 180 3023 5313
sales13@apterpower.com
www.apterpower.com



IS200ERSDG1A