GE IS200EPSMG1ADC

Exciter Control Power Supply Module

GE IS200EPSMG1ADC is an EX2100 exciter power supply module that converts the distributed DC source into controller and external-module rails.

Sourcing Support | 12-Month Warranty

Product summary

Manufacturer part number	IS200EPSMG1ADC
Shipping	Swift global dispatch
Condition	New, original product
Shipping size (est.)	8cm x 18.6cm x 26.1cm
Country of Origin	USA
Manufacturer	General Electric
Product Category	Gas Turbine Control
Spare Part Number	IS200EPSMG1ADC
Weight	1.1 kg

Buyer information / Overview

The EPSM serves the excitation control power chain through the EPBP backplane; its controller outputs and external-load outputs have different acceptance duties.

Separated controller power

The redundant arrangement gives M1, M2 and C their own supplies.

Backplane integration

DIN connections carry the supply relationship into the EX2100 control assembly.

Rail-level diagnosis

Controller reset symptoms can be separated from upstream distribution and external-load faults.

The offered reference retains the full G1ADC identity. EPSM receives its source through the EX2100 power-distribution arrangement and generates the voltages required by control electronics. It is not a substitute for the upstream EPDM, which selects and distributes the cabinet sources.

In the documented redundant system, three independent EPSM supplies serve M1, M2 and C. A failure affecting one controller should therefore be traced through its own switch, source path, backplane connection and generated rails before changing the other supplies. Common cabinet power and an individual controller supply are different diagnostic boundaries.

The controller receives logic and analog rails while separate voltages support external exciter functions. Acceptance should record which controller and loads are served by the offered module. The published EPSM family description does not by itself authorize an ADC-to-AEC revision exchange or a different group number.

Controller platform reference: EX2100 excitation control. Match the installed configuration.

Technical Specifications

Nominal distribution input	125 V DC
Controller logic rail	+5 V DC
Controller analog rails	±15 V DC
Controller auxiliary rail	+24 V DC
External auxiliary rails	±24 V DC
Isolated contact-wetting rail	+70 V DC
Supplies in documented redundant arrangement	3

Technical source: GE EX2100 Excitation Control User Guide GEH-6632G. The stated conversion and rails are the documented EPSM excitation-control design. They do not establish an undocumented rail current limit or an interchangeability decision between ADC and AEC revisions.
Apter Power product summary. Original technical pages and a field guide are available in Downloads.

Applications / Compatibility

Use within the documented EX2100 excitation-control power assembly with its matching distribution and backplane.

A controller supply fault must be distinguished from upstream EPDM source loss and an overloaded external circuit before selecting a replacement.

M1 controller restoration

Trace the identified supply through its backplane connection and verify controller initialization after rail restoration.

M2 controller restoration

Preserve the redundant channel identity so a service intervention does not disturb the healthy control path.

C controller supply
Record the supply assignment and controller diagnostics before and after the exchange.

Power-chain fault isolation
Compare incoming distribution, generated rails and connected loads instead of treating every reset as a failed controller.

Product Precautions

Apply these checks to GE IS200EPSMG1ADC and its documented installation.

Keep the ADC marking
Preserve the complete revision identity in the accepted spare record.

Identify the served controller
Tag the supply assignment before disconnection.

Isolate upstream power
Follow the approved cabinet procedure for distribution and stored energy.

Inspect backplane mating
Check alignment and contacts before inserting the replacement.

Review attached loads
Separate an external short or overload from a supply-conversion fault.

Verify restored initialization
Record rail behavior and controller health before enabling normal operation.

Lifecycle Status

The factory lifecycle phase of IS200EPSMG1ADC is unconfirmed.

Preserve the excitation-control group, controller assignment and ADC revision; a regulator-control supply is a separate selection.

One EPSM module is offered. EPDM, EPBP backplane and controllers are separate assemblies.

Available Unit Details

Offered reference	GE IS200EPSMG1ADC.
Identity check	Request the full G1ADC marking and views of the front and backplane mating interface.
Physical review	Inspect module retention, connector alignment and signs of overheating around the power path.
Included items	one EPSM module; distribution and backplane hardware separately itemized.

Request available-unit photos and details: sales13@apterpower.com

Technical notes

Distribution boundary	EPDM source distribution and EPSM voltage conversion are separate functions.
Redundancy boundary	Three independent supplies do not justify removing a healthy path during diagnosis.
Revision boundary	The ADC suffix remains controlling until an approved replacement decision establishes otherwise.

Alternative Names

GE IS200EPSMG1ADC; IS200EPSMG1ADC

Frequently Asked Questions (FAQ)

1. How can a controller reset be separated from an upstream source loss when diagnosing IS200EPSMG1ADC?

Compare the identified EPSM input path with the served controller rails and the EPDM source/switch state. Record whether the symptom is common or confined to one controller.

2. Why should the M1, M2 or C assignment be recorded before replacing IS200EPSMG1ADC?

Each controller has an independent supply in the documented redundant arrangement. The assignment prevents a healthy path being disturbed or results being attributed to the wrong supply.

3. Is the EPDM interchangeable with IS200EPSMG1ADC because both belong to the power chain?

No. EPDM distributes cabinet sources, while EPSM converts them to the required rails. Locate the fault at the correct functional boundary.

4. What should be examined if IS200EPSMG1ADC has a valid incoming source but its controller does not initialize?

Inspect the backplane mating and the controller-side rails using the approved test procedure. A valid input alone does not prove conversion or delivery to the load.

5. Can the analog rails of IS200EPSMG1ADC be accepted by measuring only its logic rail?

Verify the distinct required rails and their load paths. A correct logic voltage does not establish the analog supply condition.

6. Does the family description prove IS200EPSMG1ADC can replace an AEC board?

No revision exchange is established by that description. Retain the full markings and obtain the approved compatibility decision.

7. How should an external-load problem be distinguished from a defect in IS200EPSMG1ADC?

Trace the affected output circuit and connected module separately from the controller supply path; use controlled isolation and approved measurements.

8. What should the acceptance record retain after IS200EPSMG1ADC is exchanged?

Record complete supply identity, served controller, incoming distribution state, measured rail results and controller initialization diagnostics.

Downloads

For IS200EPSMG1ADC, original technical pages define construction and limits. The field guide develops controller-rail isolation and redundant supply recovery.

IS200EPSMG1ADC Original Technical Reference Excerpt	Selected original manufacturer technical pages for the documented component family. PDF · 2 pages · 221.0 KB.
IS200EPSMG1ADC Installation & Commissioning Guide	Controller-Rail Isolation and Redundant Supply Recovery. Identify the served controller before separating distribution loss, conversion failure and a connected-load fault. PDF · 2 pages · 93.6 KB.

Original technical data and installation decisions are provided as separate documents.

What happens after you enquire

Review your reference	Send the full marking, quantity and label photos. We review the item and any version details that need clarification.
Confirm the offer	Check the quoted reference, condition, included items and expected dispatch date before approving your order.
Arrange dispatch	Confirm delivery details and receive the tracking number when it becomes available.

Ordering checks

Include IS200EPSMG1ADC and every revision or approval marking visible on the item. Keep the exact reference on your enquiry and quotation.

Request available label and interface photos. Have your maintenance team compare the offered IS200EPSMG1ADC reference with the installed equipment and applicable GE documentation.

Service and support

Dispatch Planning	Confirm stock and lead time with our team.
Dedicated Manager	Personalized one-to-one VIP service
ISO 9001:2015 Certified	Trusted quality management
Warranty Policy	Review the applicable warranty coverage and claim process.
Return Notice	Check the return process and obtain approval before sending an item back.
Shipping Method	Review shipping arrangements, transit estimates and delivery responsibilities.
Parts Availability	Browse stock listings and confirm current availability with our team.
How to order	See how to submit an enquiry, review a quotation and confirm an order.

Discuss your requirement

Send the full marking, label photos, quantity and required date. Our team will review the available sourcing options with you.

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Related GE product references

Separate supply references; these links do not establish interchangeability.

GE 46-288512G1-F
Gantry I/O Board

GE IS420YAICS1B
Functional Safety Analog Input/Output Pack

GE IS200EPSMG1AEC
Exciter Auxiliary and Control Power Supply Module

GE IS200TRLYH1BHH
Relay Output Terminal Board

GE IS200TSVCH2AJE
Servo Control Terminal Board

GE IS200ECTBG2ADE
Exciter Contact Terminal Board

GE IS200EDCFG1AED
Exciter DC Feedback Board

GE IS200EISBH1AAB
Exciter ISBus Communication Board

GE IS200EPSMG1AED
Exciter Power Supply Module

GE DS200DTBCG1AAA
Contact Output Termination Module

Discuss IS200EPSMG1ADC and its installed application with Apter Power.
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