



DS200GDPAG1AEB

GE Drive Systems Gate Drive Power Supply Board

Product scope

- Identifies the AEB revision of the GDPA high-frequency power supply board.
- Combines input rectification, regulation and high-frequency inverter stages.
- Feeds isolated gate-drive power outputs within the documented GE drive architecture.
- Requires exact suffix matching before replacing an installed board.

Manufacturer source

General Electric instructions GEH-6120B and GEI-100287

The exact product record precedes any retained manufacturer manual extracts. Only pages relevant to the current product identity and documented functions are included.

Request a fast quote	Product reference	
Email: info@apterpower.com Phone: +86 18106909650 apter.com/inquiry.php	DS200GDPAG1AEB	

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GE Drive Systems Gate Drive Power Supply Board

Manufacturer-source product record

This page consolidates only model-specific facts verified in the manufacturer sources listed below. It is included to identify the exact ordering code before the retained manufacturer manual pages.

Board identification	DS200GDPAG1AEB
Board family	GDPA high-frequency power supply board
Documented power class	600 W / 700 W GDPA design family
Input stage	AC/DC input rectifier and filter
Power conversion	Buck regulator followed by a 27 kHz inverter
Documented outputs	Isolated 50 V AC outputs and a 120 V DC supply path
Functional circuits	Control supply, signal circuits and protective functions
Revision control	AEB suffix must match the installed board label

Official references

- General Electric instruction GEH-6120B for the GDPA high-frequency power supply board.
- General Electric instruction GEI-100287, board servicing and functional description.

No adjacent ordering option has been treated as part of this configuration. The complete label and installed-system requirements must be checked before replacement.

Function, operation and application

The following model-specific notes are limited to functions and operating relationships documented by the listed manufacturer sources.

Power-supply function

The GDPA board is the high-frequency power source used in the documented GE EX2000 excitation hardware. It accepts the specified AC or DC source and develops the isolated supplies required by the associated control and gate-drive circuits.

Conversion principle

Incoming power is first rectified and filtered. A buck-chopper regulator establishes a controlled DC bus, after which a 27 kHz inverter drives the output transformer to produce the 50 V AC high-frequency outputs; the board also provides a 120 V DC supply path.

Regulation and protection

The PWM control establishes the operating-frequency reference, regulates output voltage and supplies the regulator control signals. GE identifies the frequency reference as a factory adjustment, so it is not a field setting to be altered during routine board replacement.

Service boundary

The GDPA forms part of a larger power-supply assembly and is not a standalone mains power unit. Input source, mating connectors, discharge state and the complete AEB revision must be confirmed before installation; hazardous stored voltage and ESD precautions apply during service.



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