

INDUSTRIAL AUTOMATION PRODUCT

6SL3200-0SP06-0AA0

SINAMICS G120X/G120XA PSB Power Supply Board

Siemens 6SL3200-0SP06-0AA0 is a PSB power supply board for SINAMICS G120X and G120XA converters in frame sizes FSH and FSJ. It provides the internal ± 24 V electronics supply and 56 V power-unit fan supply.

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
System family	SINAMICS G120X and G120XA converters, frame sizes FSH and FSJ
Part number	6SL3200-0SP06-0AA0
Product role	Provides the internal electronics power-supply function
Lifecycle	Installed product record

DOCUMENT SCOPE

Exact-article identity, technical data, host role, installation checks, applications, precautions and engineering verification.

MODEL-SPECIFIC ENGINEERING NOTE

Before removing 6SL3200-0SP06-0AA0, record the complete marking, installed position, mating hardware, connectors, wiring and configured function. Restore the documented Siemens arrangement, review diagnostics and complete a controlled functional test before release.

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6SL3200-0SP06-0AA0

Technical Specifications

Technical values below are limited to the named Siemens product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Article number	6SL3200-0SP06-0AA0	Frame sizes	FSH and FSJ
Board type	PSB power supply board	Electronics supply	±24 V
Converter families	SINAMICS G120X and G120XA	Power-unit fan supply	56 V

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	SINAMICS G120X and G120XA converters, frame sizes FSH and FSJ
Primary system role	Provides the internal electronics power-supply function
Connection boundary	Before removing 6SL3200-0SP06-0AA0, record the complete marking, installed position, mating hardware, connectors, wiring and configured function. Restore the documented Siemens arrangement, review diagnostics and complete a controlled functional test before release.
Controlled acceptance duty	G120X FSH power-supply service

ENGINEERING BOUNDARY

Confirm 6SL3200-0SP06-0AA0, G120X or G120XA host, FSH/FSJ frame, hardware version, PSB connectors, ±24 V electronics path, 56 V fan path, grounding, firmware, configuration and controlled startup diagnostics before commissioning.

Pre-Installation Checks

1	Confirm 6SL3200-0SP06-0AA0 and the installed converter family before work.	2	Isolate incoming power and prove the DC link discharged using the approved Siemens procedure.
3	Confirm the converter is frame size FSH or FSJ and record its hardware version.	4	Record all board connectors, cable routes and protective-earth points before removal.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	6SL3200-0SP06-0AA0
Installed host	SINAMICS G120X and G120XA converters, frame sizes FSH and FSJ
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

Siemens 6SL3200-0SP06-0AA0 is a PSB power supply board for SINAMICS G120X and G120XA converters in frame sizes FSH and FSJ. It provides the internal ± 24 V electronics supply and 56 V power-unit fan supply.

FUNCTION 1
Provides the internal electronics power-supply function

FUNCTION 2
Supplies the power-unit fan circuit

FUNCTION 3
Fits the documented FSH and FSJ converter frames

FUNCTION 4
Supports both SINAMICS G120X and G120XA installations

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	SINAMICS G120X and G120XA converters, frame sizes FSH and FSJ
2	PSB power supply board
3	G120X FSH power-supply service
4	Before removing 6SL3200-0SP06-0AA0, record the complete marking, installed position, mating hardware, connectors, wiring and configured function. Restore the documented Siemens arrangement, review diagnostics and complete a controlled functional test before release.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	SINAMICS G120X and G120XA converters, frame sizes FSH and FSJ
Interface role	Provides the internal electronics power-supply function
Field / power context	6SL3200-0SP06-0AA0 is serviced only in the documented SINAMICS G120X and G120XA converters, frame sizes FSH and FSJ arrangement with its matching host, connector set and cabinet interfaces. Commissioning preserves the as-found configuration and verifies identity, connections, diagnostics and the affected system function.
Commissioning evidence	Verify normal electronics startup and fan operation before returning the drive to service.

Installation and Connection Checks

1 Use ESD controls and protect the PSB connector interfaces from contamination.

2 Restore the documented ± 24 V electronics and 56 V fan-supply connections.

3 Review converter, control-unit and fan diagnostics after controlled energization.

4 Verify normal electronics startup and fan operation before returning the drive to service.

MANUFACTURER SOURCE RECORD

SINAMICS G120X/G120XA Catalog D31.7
Siemens Catalog D31.7, July 2024 / Update 2025-09

Applications and Engineering Context

G120X FSH power-supply service

Restores the internal PSB position in the documented converter frame.

G120XA FSJ fan-supply maintenance

Restores the board supplying the power-unit fan circuit.

Infrastructure converter repair

Preserves the documented internal supply architecture during controlled maintenance.

Converter recommissioning

Provides the exact PSB identity used during electronics and fan-supply verification.

TECHNICAL NOTE

Before removing 6SL3200-0SP06-0AA0, record the complete marking, installed position, mating hardware, connectors, wiring and configured function. Restore the documented Siemens arrangement, review diagnostics and complete a controlled functional test before release.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	6SL3200-0SP06-0AA0 recorded
Host / carrier	SINAMICS G120X and G120XA converters, frame sizes FSH and FSJ
Physical interface	Provides the internal electronics power-supply function
Configuration	Review converter, control-unit and fan diagnostics after controlled energization.
Functional proof	Verify normal electronics startup and fan operation before returning the drive to service.

IMPORTANT NOTICE

Confirm 6SL3200-0SP06-0AA0, G120X or G120XA host, FSH/FSJ frame, hardware version, PSB connectors, ±24 V electronics path, 56 V fan path, grounding, firmware, configuration and controlled startup diagnostics before commissioning.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	6SL3200-0SP06-0AA0
Approved role	G120X FSH power-supply service
Final validation	Verify normal electronics startup and fan operation before returning the drive to service.

Engineering Precautions

- 1

Confirm 6SL3200-0SP06-0AA0 and the installed converter family before work.
- 2

Isolate incoming power and prove the DC link discharged using the approved Siemens procedure.
- 3

Confirm the converter is frame size FSH or FSJ and record its hardware version.
- 4

Record all board connectors, cable routes and protective-earth points before removal.
- 5

Use ESD controls and protect the PSB connector interfaces from contamination.
- 6

Restore the documented ± 24 V electronics and 56 V fan-supply connections.
- 7

Review converter, control-unit and fan diagnostics after controlled energization.
- 8

Verify normal electronics startup and fan operation before returning the drive to service.

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
6ES7314-6BH04-0AB0	S7-300 CPU	View 6ES7314-6BH04-0AB0 page
6ES7223-1BL22-0XA0	S7-200 I/O module	View 6ES7223-1BL22-0XA0 page
6AU1455-2AD00-0AA0	SIMOTION controller	View 6AU1455-2AD00-0AA0 page
6SL3120-2TE21-0AA4	SINAMICS Motor Module	View 6SL3120-2TE21-0AA4 page
6SL3320-1TE33-1AA3	SINAMICS Motor Module	View 6SL3320-1TE33-1AA3 page
6SL3362-0AG00-0AA1	SINAMICS component	View 6SL3362-0AG00-0AA1 page
6SL3352-1AE37-5BA1	replacement power block	View 6SL3352-1AE37-5BA1 page
6SL3200-0SP01-0AA0	CIM PM-IF assembly	View 6SL3200-0SP01-0AA0 page

MANUFACTURER SOURCE RECORD

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