

6SL3200-0SP06-0AA0

SINAMICS G120X/G120XA PSB Power Supply Board

INSTALLATION, INTERFACE AND VALIDATION WORKBOOK

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.

STEP	GATE	ENGINEERING PURPOSE
01	IDENTIFY	Confirm article, host and hardware
02	ISOLATE	Secure power and stored energy
03	CONNECT	Restore documented interfaces
04	VALIDATE	Prove diagnostics and function

WORKBOOK PURPOSE

Field-ready identity, isolation, connection, commissioning and closeout records for this exact Siemens article.

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



6SL3200-0SP06-0AA0

Installation Readiness Gate

Complete the identity, host-system and isolation checks before disturbing the installed hardware.

- 1

Confirm 6SL3200-OSP06-0AA0 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.

Pre-Work Evidence

EVIDENCE ITEM	RECORDED VALUE
Complete article marking	6SL3200-OSP06-0AA0
Host / carrier	SINAMICS G120X and G120XA converters, frame sizes FSH and FSJ
Primary system role	Provides the internal electronics power-supply function
Acceptance boundary	Verify normal electronics startup and fan operation before returning the drive to service.
Source record	SINAMICS G120X/G120XA Catalog D31.7

WORK AUTHORIZATION RECORD

Work order: _____

Drawing / revision: _____

Checked by: _____

Date: _____

Isolation and Access Register

CONTROL POINT	ENGINEER RECORD
Incoming supply	Isolated / proved
Stored energy	Discharged / proved
Field connections	Identified / protected
ESD control	Established / recorded

Pre-Work Documentation

DOCUMENT	ENGINEER RECORD
Connection photograph	Reference / file
Configuration backup	Reference / revision
Diagnostic baseline	Reference / result

Connection and Installation Sequence

INSTALLATION PRINCIPLE

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.

- 1

Use ESD controls and protect the PSB connector interfaces from contamination.
- 2

Restore the documented $\pm 24\text{ V}$ 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.

Connection Record

CONNECTION GROUP	AS-FOUND / AS-LEFT RECORD	STATUS
Power / field connection	Reference / terminal	Checked
Signal / interface	Reference / connector	Checked
Ground / shield	Reference / point	Checked
Accessory / carrier	Reference / part	Checked

MODEL-SPECIFIC RELEASE LIMIT

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

Interface Acceptance Criteria

ACCEPTANCE ITEM	REQUIRED EVIDENCE
Identity	6SL3200-0SP06-0AA0
Host match	SINAMICS G120X and G120XA converters, frame sizes FSH and FSJ
Connection proof	Restore the documented $\pm 24\text{ V}$ electronics and 56 V fan-supply connections.
Configuration proof	Review converter, control-unit and fan diagnostics after controlled energization.

Commissioning and Acceptance Record

Record each controlled verification step before the equipment returns to automatic operation.

NO.	ACCEPTANCE CHECK	RESULT	RECORD
1	Article and host identity	PASS / FAIL	Initial / date
2	Mechanical installation	PASS / FAIL	Initial / date
3	Power and field wiring	PASS / FAIL	Initial / date
4	Grounding and shielding	PASS / FAIL	Initial / date
5	Configuration restoration	PASS / FAIL	Initial / date
6	Signal or power-path response	PASS / FAIL	Initial / date
7	Diagnostics and alarms	PASS / FAIL	Initial / date
8	Final functional release	PASS / FAIL	Initial / date

Engineering Notes

RECORD AREA	ENGINEER ENTRY
As-found condition	
Corrective action	
As-left configuration	
Outstanding restriction	
Release authorization	

CONTROLLED COMMISSIONING

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

Diagnostics and Release Log

EVENT	ENGINEERING RECORD
Initial energization	Result / observation
Interface or signal response	Result / observation
Alarm and diagnostic review	Result / observation
Functional release	Name / date

Maintenance Verification and Closeout

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.

Related Engineering Pages

MODEL	ENGINEERING ROLE	APTER POWER 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
6SE7041-8HK85-1HA0	PER2 interface	View 6SE7041-8HK85-1HA0 page
6SE7041-8EK85-0HA0	PER3 interface	View 6SE7041-8EK85-0HA0 page
6SE7041-8GK85-0HA0	PER3 interface	View 6SE7041-8GK85-0HA0 page
6RA8075-6DS22-0AA0	SINAMICS DC converter	View 6RA8075-6DS22-0AA0 page
6ES7314-6BH04-0AB0	S7-300 CPU	View 6ES7314-6BH04-0AB0 page

MANUFACTURER SOURCE RECORD

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

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



6SL3200-0SP06-0AA0