

INDUSTRIAL AUTOMATION PRODUCT

A5E36228241

SINAMICS G120L Inverter Power Board

Siemens A5E36228241 identifies an inverter power-board assembly used within a documented SINAMICS G120L power-module configuration. Its replacement must preserve the installed PM330L hardware execution, connections, cooling and parameter record.

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
System family	SINAMICS G120L PM330L
Part number	A5E36228241
Product role	Keeps the exact A5E36228241 board identity
Lifecycle	Installed product record

DOCUMENT SCOPE

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

MODEL-SPECIFIC ENGINEERING NOTE

Record the complete G120L power-module type, board position, control connections, power interfaces and cooling arrangement before removing A5E36228241.

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A5E36228241

INSTALLATION IDENTITY SAFEGUARDS

HOST MATCH	SINAMICS G120L PM330L
ARTICLE CONTROL	Retain the complete A5E36228241 marking and board position.
CONNECTION RECORD	Photograph and label every affected power, control, grounding and cooling interface.
RELEASE EVIDENCE	Record isolation, diagnostics, configuration comparison and controlled functional test results.

Technical Specifications

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

PARAMETER	VALUE	PARAMETER	VALUE
Article identifier	A5E36228241	Power-module family	PM330L
Component type	Inverter power board	Installation basis	Documented installed power-module execution
Drive family	SINAMICS G120L	Commissioning basis	Approved drive parameter and diagnostic record

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	SINAMICS G120L PM330L
Primary system role	Keeps the exact A5E36228241 board identity
Connection boundary	Record the complete G120L power-module type, board position, control connections, power interfaces and cooling arrangement before removing A5E36228241.
Controlled acceptance duty	G120L power-module service

ENGINEERING BOUNDARY

Confirm A5E36228241, the complete G120L PM330L host, hardware version, connectors, DC-link isolation, protective bonding, cooling, firmware, parameter set and controlled test results before commissioning.

Pre-Installation Checks

- 1

Confirm A5E36228241 and the complete installed G120L PM330L power-module record.
- 2

Place the drive, motor and process in the approved maintenance state.
- 3

Isolate incoming power and prove the DC link and stored energy discharged.
- 4

Record board position, control connectors, power interfaces, grounding and cooling hardware.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	A5E36228241
Installed host	SINAMICS G120L PM330L
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

Siemens A5E36228241 identifies an inverter power-board assembly used within a documented SINAMICS G120L power-module configuration. Its replacement must preserve the installed PM330L hardware execution, connections, cooling and parameter record.

FUNCTION 1
Keeps the exact A5E36228241 board identity

FUNCTION 2
Belongs to the documented G120L inverter power path

FUNCTION 3
Requires matching to the installed PM330L execution

FUNCTION 4
Supports controlled diagnostic and motor-function verification

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	SINAMICS G120L PM330L
2	Inverter power board
3	G120L power-module service
4	Record the complete G120L power-module type, board position, control connections, power interfaces and cooling arrangement before removing A5E36228241.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	SINAMICS G120L PM330L
Interface role	Keeps the exact A5E36228241 board identity
Field / power context	The board is not selected independently from its host power module.
Commissioning evidence	Complete controlled direction, feedback, current and motor-function tests before release.

Installation and Connection Checks

1 Use ESD controls and preserve creepage distances, bonding and airflow paths.

2 Install only in the documented PM330L execution and restore the approved parameter set.

3 Review power-module, inverter, communication and temperature diagnostics after energization.

4 Complete controlled direction, feedback, current and motor-function tests before release.

MANUFACTURER SOURCE RECORD

SINAMICS G120L Power Modules PM330L Hardware Installation Manual
01/2017, A5E35778999A AE

Applications and Engineering Context

G120L power-module service

Restores the documented inverter-board position in a PM330L assembly.

Drive cabinet refurbishment

Preserves the approved cooling, grounding and internal connection arrangement.

Inverter fault recovery

Supports board-level service after the host power module is correctly identified.

Controlled drive recommissioning

Combines parameter comparison, diagnostics and staged motor testing.

TECHNICAL NOTE

Record the complete G120L power-module type, board position, control connections, power interfaces and cooling arrangement before removing A5E36228241.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	A5E36228241 recorded
Host / carrier	SINAMICS G120L PM330L
Physical interface	Keeps the exact A5E36228241 board identity
Configuration	Review power-module, inverter, communication and temperature diagnostics after energization.
Functional proof	Complete controlled direction, feedback, current and motor-function tests before release.

IMPORTANT NOTICE

Confirm A5E36228241, the complete G120L PM330L host, hardware version, connectors, DC-link isolation, protective bonding, cooling, firmware, parameter set and controlled test results before commissioning.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	A5E36228241
Approved role	G120L power-module service
Final validation	Complete controlled direction, feedback, current and motor-function tests before release.

Engineering Precautions

1	Confirm A5E36228241 and the complete installed G120L PM330L power-module record.	2	Place the drive, motor and process in the approved maintenance state.
3	Isolate incoming power and prove the DC link and stored energy discharged.	4	Record board position, control connectors, power interfaces, grounding and cooling hardware.
5	Use ESD controls and preserve creepage distances, bonding and airflow paths.	6	Install only in the documented PM330L execution and restore the approved parameter set.
7	Review power-module, inverter, communication and temperature diagnostics after energization.	8	Complete controlled direction, feedback, current and motor-function tests before release.

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
Siemens	6RY1803-1DA04 product page	View Siemens page
Siemens	6SL3352-6TE33-8AA3 product page	View Siemens page
Siemens	6RY1803-0DA04 product page	View Siemens page
Siemens	C98043-A7106-L4 product page	View Siemens page
Siemens	6RY1803-0DA03 product page	View Siemens page
Siemens	C98043-A7106-L1 product page	View Siemens page
Siemens	6SE7090-0XX87-4AH0 product page	View Siemens page
Siemens	C98043-A7109-L100 product page	View Siemens page

MANUFACTURER SOURCE RECORD

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