

6SE7012-0TP50

Drive Inverter

Siemens 6SE7012-0TP50 is a SIMOVERT MASTERDRIVES Motion Control Compact PLUS DC-AC inverter rated 0.75 kW and 2 A. It is designed for the documented 510 to 650 V DC-link range.

BRAND	Siemens	DOCUMENT	TECHNICAL REFERENCE
MODEL	6SE7012-0TP50	PRODUCT	Drive Inverter
FAMILY	SIMOVERT MASTERDRIVES Motion Control	SOURCE	Siemens Industry Support documentation for exact 6SE7012-0TP50 Compact PLUS inverter

MANUFACTURER SOURCE RECORD

SIMOVERT MASTERDRIVES Motion Control Compendium
Siemens Industry Support documentation for exact 6SE7012-0TP50 Compact PLUS inverter

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6SE7012-0TP50

Product Overview

SYSTEM FUNCTION

Siemens 6SE7012-0TP50 is a SIMOVERT MASTERDRIVES Motion Control Compact PLUS DC-AC inverter rated 0.75 kW and 2 A. It is designed for the documented 510 to 650 V DC-link range.

FUNCTION 1

0.75 kW motion control

FUNCTION 2

2 A inverter output

FUNCTION 3

510-650 V DC link

FUNCTION 4

Compact PLUS construction

TECHNICAL NOTE

Related Products on Apter Power

Use only the complete Siemens 6SE7012-0TP50 identity and the current manufacturer documentation. Confirm installed hardware, wiring, firmware or parameter.

MODEL	APTER POWER PAGE
Siemens 6SL3210-1PE31-8UL0-944434	View Siemens 6SL3210-1PE31-8UL0-944434
Siemens 6SL3210-5BE22-2CV1	View Siemens 6SL3210-5BE22-2CV1
Siemens 6SL3210-5FB10-4UF1	View Siemens 6SL3210-5FB10-4UF1
Siemens 6SL3224-0BE15-5UA0	View Siemens 6SL3224-0BE15-5UA0
Siemens 6SL3224-0BE31-1UA0	View Siemens 6SL3224-0BE31-1UA0

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE
Complete model	6SE7012-0TP50
Drive family	SIMOVERT MASTERDRIVES Motion Control Compact PLUS
Converter type	DC-AC inverter
Supply voltage	3 AC 380 V -15% to 480 V +10%
Nominal power rating	0.75 kW
Rated output current	2.0 A
Maximum current	3.2 A
Rated DC-link current	2.4 A
DC-link voltage	510 to 650 V DC
Total power loss at 5 kHz	0.066 kW
Cooling air requirement	0.002 m3/s
Sound pressure level	18 dB(A) at 50 Hz

ENGINEERING BOUNDARY

Use only the complete Siemens 6SE7012-0TP50 identity and the current manufacturer documentation. Confirm installed hardware, wiring, firmware or parameter compatibility and the approved maintenance record before replacement or release.

Acceptance Path

1 IDENTITY

Siemens 6SE7012-0TP50 is recorded without abbreviation.

2 INTERFACE

Connectors, terminals and companion hardware match the approved record.

3 CONFIGURATION

Electrical, firmware and parameter values are verified.

4 OPERATION

Diagnostics and the controlled functional test are acceptable.

Applications and Engineering FAQ

APPLICATION	ENGINEERING CONTEXT
Servo motion	Controls an approved motor axis.
Machine automation	Executes configured speed and torque commands.
Drive retrofit	Maintains an installed MASTERDRIVES axis.
Controlled spare replacement	Preserves the documented inverter and motor configuration.

Model-Specific FAQ - Part 1

QUESTION	ANSWER
What is Siemens 6SE7012-0TP50?	Siemens 6SE7012-0TP50 is a SIMOVERT MASTERDRIVES Motion Control Compact PLUS DC-AC inverter rated 0.75 kW and 2 A. It is designed for the documented 510 to 650 V DC-link range.
Which product family includes 6SE7012-0TP50?	The official manufacturer record identifies it within the SIMOVERT MASTERDRIVES Motion Control family.
Which exact identity must be retained?	Record the complete Siemens 6SE7012-0TP50 marking; do not shorten or replace the suffix.
Which key technical value is documented?	Drive family: SIMOVERT MASTERDRIVES Motion Control Compact PLUS.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Siemens 6SL3246-0BA22-1FA0	View Siemens 6SL3246-0BA22-1FA0
Siemens 6SL3246-0BA22-1PA0-V-4-7	View Siemens 6SL3246-0BA22-1PA0-V-4-7
Siemens 6SL3300-1AH32-5BA0	View Siemens 6SL3300-1AH32-5BA0
Siemens 6SL3310-1GE35-0AA3	View Siemens 6SL3310-1GE35-0AA3
Siemens 6SL3320-1TE33-1AA3	View Siemens 6SL3320-1TE33-1AA3

FAQ, Related Products and Source

QUESTION	ANSWER
What must be checked before removal?	Record the slot, connectors, terminals, companion hardware and configured function from the installed system.
Can a nearby model be substituted?	No. A different suffix or family member requires documented electrical, mechanical, firmware and interface approval.
What installation controls are required?	Use the current manufacturer procedure, approved maintenance state, ESD controls and the documented wiring and grounding arrangement.
What confirms successful commissioning?	Identity and connections match the record, diagnostics pass and the controlled functional test has no unexplained fault.

MANUFACTURER SOURCE RECORD

SIMOVERT MASTERDRIVES Motion Control Compendium
Siemens Industry Support documentation for exact 6SE7012-0TP50 Compact PLUS inverter

Related Products on Apter Power

MODEL	APTER POWER PAGE
Siemens 6SL3350-6TK00-0BA0	View Siemens 6SL3350-6TK00-0BA0
Siemens 6SL3350-6TK00-0EA0	View Siemens 6SL3350-6TK00-0EA0
Siemens 6SL3351-1AE37-5BA1	View Siemens 6SL3351-1AE37-5BA1
Siemens 6SL3351-6FE32-1AA1	View Siemens 6SL3351-6FE32-1AA1
Siemens 6SL3351-6FE32-6AA1	View Siemens 6SL3351-6FE32-6AA1
Siemens 6SL3351-6FE33-1AA1	View Siemens 6SL3351-6FE33-1AA1
Siemens 6SL3351-6GE32-1AA1	View Siemens 6SL3351-6GE32-1AA1
Siemens 6SL3351-6GE32-6AA1	View Siemens 6SL3351-6GE32-6AA1
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