

SIMOVERT MASTERDRIVES

# Product Data Sheet

**6SE7024-7ED84-1HF4**

PEU4 power board

|                                     |                                        |                          |                         |
|-------------------------------------|----------------------------------------|--------------------------|-------------------------|
| FUNCTION<br><b>PEU4 power board</b> | FAMILY<br><b>SIMOVERT MASTERDRIVES</b> | ORIGIN<br><b>Germany</b> | WEIGHT<br><b>0.2 kg</b> |
|-------------------------------------|----------------------------------------|--------------------------|-------------------------|

Siemens SIMOVERT 6SE7024-7ED84-1HF4 is a PEU4 power board for the SIMOVERT MASTERDRIVES. The values below are limited to the exact documented article.

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## VERIFIED TECHNICAL DATA

|                      |                                                |
|----------------------|------------------------------------------------|
| Component Class      | PEU4 power board                               |
| Drive Family         | SIMOVERT MASTERDRIVES                          |
| Primary Function     | Controls the three-phase inverter output stage |
| Power Architecture   | PEU4 power-stage electronics                   |
| Voltage Class        | 510–620 V DC link                              |
| Current Rating       | 47 A output class                              |
| Power Section        | Inverter output section                        |
| Mechanical Design    | Plug-in power board                            |
| Electrical Interface | Power and current-feedback connectors          |
| Commissioning Check  | Check phase output and feedback symmetry       |

- Apply the 47 A ED84 output: Use 6SE7024-7ED84-1HF4 for controls the three-phase inverter output stage within the documented SIMOVERT MASTERDRIVES. Confirm the inverter output section, electrical class and controlled system drawing before work.
- Prepare the 620 V DC path: Record power and current-feedback connectors, adjacent assemblies, cable routing, protective earth and configuration data. Preserve the exact 47 A ED84 board arrangement during replacement.
- Complete the phase-symmetry test: Check phase output and feedback symmetry. Review Siemens diagnostics and record the final 47 A ED84 board configuration before returning the affected function to service.

Match 6SE7024-7ED84-1HF4 to the installed SIMOVERT MASTERDRIVES, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Siemens manufacturer documentation](#)

<https://support.industry.siemens.com/>