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01 Readiness and operating boundary

Siemens 500-2151 is the documented AC power supply for Series 500 base hardware. It accepts the recorded 110/220 VAC installation and provides the regulated base voltages used by the controller and I/O modules.

Confirm exact identity

Confirm the complete 500-2151 marking before work.

Exact model	500-2151
Hardware type	AC base power supply
Product family	Series 500

Establish the safe work boundary

Place the affected equipment in its approved maintenance state.

Identity	500-2151
Host	SIMATIC TI500 / TI505
Acceptance	Diagnostics and functional response

PAGE TRACE	REQUIRED ENTRY
Inspector	_____
Result	Pass / hold / corrective action
Record	Date, diagnostic state and release reference

CONTACT APTER POWER

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EMAIL	sales13@apterpower.com
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02 Configuration and interface setup

The 500-2151 supplies a matched Series 500 base and must be selected independently from the later 500-2151-A redundant-base execution.

Record the as-found configuration

Isolate connected energy and prove the circuit safe.

Hardware type	AC base power supply
Product family	Series 500
Documented input	110/220 VAC

Map connections and settings

Photograph the slot, wiring, connectors and settings before removal.

Identity	500-2151
Host	SIMATIC TI500 / TI505
Acceptance	Diagnostics and functional response

PAGE TRACE	REQUIRED ENTRY
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03 Installation and service sequence

The 500-2151 supplies a matched Series 500 base and must be selected independently from the later 500-2151-A redundant-base execution.

Restore the documented assembly

Match every documented interface and companion component.

Product family	Series 500
Documented input	110/220 VAC
Main output rail	+5 V

Protect every interface

Restore mechanical retention, shielding and protective earth.

Identity	500-2151
Host	SIMATIC TI500 / TI505
Acceptance	Diagnostics and functional response

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04 Verification and fault isolation

The 500-2151 supplies a matched Series 500 base and must be selected independently from the later 500-2151-A redundant-base execution.

Verify the installed function

Review hardware, network and controller diagnostics after energization.

Documented input	110/220 VAC
Main output rail	+5 V
Auxiliary output rail	-5 V

Isolate unexpected response

Functionally verify regulated base power for a matched SIMATIC TI500 or TI505 installation before service release.

Identity	500-2151
Host	SIMATIC TI500 / TI505
Acceptance	Diagnostics and functional response

PAGE TRACE	REQUIRED ENTRY
Inspector	_____
Result	Pass / hold / corrective action
Record	Date, diagnostic state and release reference

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05 Acceptance and service handover

The 500-2151 supplies a matched Series 500 base and must be selected independently from the later 500-2151-A redundant-base execution.

Complete the release record

Confirm the complete 500-2151 marking before work.

Exact model	500-2151
Hardware type	AC base power supply
Product family	Series 500

Retain acceptance evidence

Place the affected equipment in its approved maintenance state.

Identity	500-2151
Host	SIMATIC TI500 / TI505
Acceptance	Diagnostics and functional response

Siemens 6ES7414-2XG02-0AB0 - [View Apter Power product page](#)

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