

WESTINGHOUSE 3A99220G01

Power Supply Card

WESTINGHOUSE 3A99220G01 is a power supply card identified by the 2MEPS3 board designation for legacy Westinghouse WDPF control-system service.

IDENTITY AND FUNCTION SNAPSHOT

H1 Power supply circuit card	H2 WDPF control-system context
H3 2MEPS3 board designation	H4 Exact part identity 3A99220G01

Installed-system position

1	Cabinet power source
2	Installed power-distribution path
3	3A99220G01 power card
4	WDPF control assembly

Exact-model release boundary

Identity Keep WESTINGHOUSE 3A99220G01 complete in drawings, labels and acceptance records.	Evidence Use only the exact-model and explicitly applicable family facts documented here.
Configuration Record cables, jumpers, settings and the installed functional position before work.	Acceptance Prove the affected control path before returning the equipment to service.

02 / SYSTEM ROLE AND INTERFACES

Architecture, interfaces and service boundaries

WESTINGHOUSE 3A99220G01 provides a power-supply card function within a legacy WDPF control-system assembly. Commissioning should focus on exact board identity, connector condition, slot orientation and the site-approved power checks for the installed cabinet.

CONTROL PATH

1	Cabinet power source
2	Installed power-distribution path

3	3A99220G01 power card
4	WDPF control assembly

Interface architecture

Power boundary	Installed cabinet power-distribution path
Card boundary	Board connectors, guides, retention hardware and slot orientation
System boundary	Legacy WDPF control-system assembly
Record boundary	Exact part number, 2MEPS3 identity and site-approved electrical test results

Interface acceptance checks

<p>1</p> <p>De-energize the affected power section and prove the absence of hazardous voltage before handling WESTINGHOUSE 3A99220G01.</p>	<p>2</p> <p>Confirm both the complete 3A99220G01 part number and the 2MEPS3 board designation before replacement.</p>
<p>3</p> <p>Record the original slot, card orientation, connected plugs and retention arrangement before removal.</p>	<p>4</p> <p>Do not infer electrical ratings from a visually similar Westinghouse power card or an incomplete board number.</p>

Engineering rule

A nearby WESTINGHOUSE family code does not establish interchangeability with 3A99220G01; use the physical nameplate and controlled site records.

ENGINEERING SUMMARY / MODEL-SPECIFIC CHECKPOINTS	
<ul style="list-style-type: none">Power boundary: Installed cabinet power-distribution path	<ul style="list-style-type: none">Card boundary: Board connectors, guides, retention hardware and slot orientation
<ul style="list-style-type: none">System boundary: Legacy WDPF control-system assembly	<ul style="list-style-type: none">Record boundary: Exact part number, 2MEPS3 identity and site-approved electrical test results

Engineering matrix and component map

Every populated row is a technical value supported by the reviewed exact-model record or an explicitly applicable WESTINGHOUSE family source.

Product class	Power supply card
Control platform	WDPF DCS
Board designation	2MEPS3
Hardware form	Printed circuit card
Part number	3A99220G01

CHANGE CONTROL

Record Capture the full model, revision, slot, connectors and as-found condition.	Compare Match every populated technical row to the replacement and project record.
Protect Apply controlled isolation, stored-energy and ESD practices.	Prove Complete the product-specific functional and safe-state checks.

Source applicability

Evidence record	Applicable scope
Corroborated exact-model catalog records: 3A99220G01 power supply card	Supports only the exact-model or explicitly applicable family facts used in this document.
Corroborated exact-model catalog records: WDPF 2MEPS3 board designation	Supports only the exact-model or explicitly applicable family facts used in this document.

Fault isolation and controlled return

1	Capture the fault, indicators and surrounding-system state
2	Verify exact identity, power boundary, cabling and installed position
3	Test WESTINGHOUSE 3A99220G01 against the approved service procedure
4	Correct the isolated cause and restore the recorded configuration

Eight product-specific precautions

1 De-energize the affected power section and prove the absence of hazardous voltage before handling WESTINGHOUSE 3A99220G01.	2 Confirm both the complete 3A99220G01 part number and the 2MEPS3 board designation before replacement.
3 Record the original slot, card orientation, connected plugs and retention arrangement before removal.	4 Do not infer electrical ratings from a visually similar Westinghouse power card or an incomplete board number.
5 Inspect edge connectors, plug contacts, board guides and retention hardware for damage or contamination.	6 Restore the documented cabinet grounding, cable routing and connector seating before applying power.
7 Use the site-approved test points and controlled electrical procedure for pre-energization and live checks.	8 Release the card only after cabinet power indications and the dependent WDPF hardware operate within the approved acceptance plan.

05 / ENGINEERING FAQ AND SUPPORT

Model-specific engineering decisions

Engineering decision	Controlled response
What is WESTINGHOUSE 3A99220G01?	It is a power supply circuit card identified for legacy Westinghouse WDPF control-system hardware.
Which board designation is associated with WESTINGHOUSE 3A99220G01?	The exact-model records identify the board designation as 2MEPS3.
What must match before replacing WESTINGHOUSE 3A99220G01?	Match the full part number, 2MEPS3 marking, connector pattern, slot position and controlled site records.
What should be recorded before removing WESTINGHOUSE 3A99220G01?	Record the slot, orientation, connector labels, retention hardware and the affected cabinet power path.
How should WESTINGHOUSE 3A99220G01 be inspected before installation?	Inspect the board, edge connectors, plug contacts, guides and retention points for damage or contamination.
Can ratings from another WDPF power card be used for WESTINGHOUSE 3A99220G01?	No. Electrical ratings must come from the installed-unit nameplate or the site-controlled documentation for this exact board.
Which test approach is appropriate for WESTINGHOUSE 3A99220G01?	Use the plant-approved isolation, pre-energization and live-test procedure at the documented cabinet test points.
What is required before returning WESTINGHOUSE 3A99220G01 to service?	Confirm connector seating, grounding and cable routing, then verify cabinet power indications and dependent WDPF hardware under the approved acceptance plan.

Related Apter Power references

Related Apter Power references	Scope note
WESTINGHOUSE 1C31122G01	Portfolio reference only; verify compatibility independently.
WESTINGHOUSE 1C31125G02	Portfolio reference only; verify compatibility independently.
WESTINGHOUSE 1C31129G03	Portfolio reference only; verify compatibility independently.

	Apter Power technical support sales13@apterpower.com +86 180 3023 5313 www.apterpower.com	Model record WESTINGHOUSE 3A99220G01 Power Supply Card Verify the complete nameplate before installation.
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ENGINEERING SUMMARY / MODEL-SPECIFIC CHECKPOINTS	
● Exact model: WESTINGHOUSE 3A99220G01	● Retain nameplate, wiring and as-left acceptance evidence.
● Use only the Apter Power links contained in this document.	● Verify compatibility independently before installation.