

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.

Job objective

Replace, install or verify the exact unit while preserving unrelated wiring, configuration, dimensions, weight and stored product data.

Safe-work boundary

Identify Match the complete model and every suffix to the physical unit.	Isolate Apply the plant-approved electrical, process and stored-energy isolation.
Preserve Back up configuration and photograph all connections and settings.	Control Use ESD protection and revision-controlled documentation.

Product-specific hazards and controls

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.

Required evidence before work

Nameplate photo, installed-position record, connection map, configuration or jumper record, fault history and approved acceptance plan.

Readiness and interface checklist

Exact identity	WESTINGHOUSE 3A99220G01 matches the work order and physical unit
Installed position	Rack, slot, panel and functional assignment recorded
Configuration	Project data, jumpers, settings or calibration state captured
Connections	Every cable, terminal, shield and polarity labeled
Condition	Board, housing, connectors and packaging inspected
Test plan	Expected states, safe response and acceptance evidence agreed

Interface preparation

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

Pre-job evidence review

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

Controlled replacement workflow

1	Confirm isolation and absence of hazardous energy
2	Compare removed and replacement identities and revisions
3	Photograph, label and verify all connections and settings
4	Remove the existing assembly using ESD-safe handling
5	Inspect mounting, connectors, grounding, ventilation and surrounding hardware
6	Install the exact replacement without forcing connections
7	Restore cables, jumpers and settings from the controlled record
8	Complete final visual, continuity and polarity checks before energization

STOP CONDITIONS

Identity Stop if the complete model or revision does not match.	Connection Stop if connector orientation, polarity or terminal mapping is unresolved.
Configuration Stop if the as-found jumper, project or adjustment record is missing.	System Stop if grounding, cooling or the safe-state assignment is uncertain.

Staged return to service

Stage 1	Visual inspection, isolation release and controlled power-ready state
Stage 2	Apply power under observation and stop on abnormal indicators, heat or sound
Stage 3	Confirm module recognition, status indications and surrounding-system health
Stage 4	Verify every affected connection, signal or relay path
Stage 5	Exercise the documented function and configured safe response
Stage 6	Archive measurements, settings, results and as-left configuration

Product-specific acceptance focus

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.

Acceptance evidence

Identity Photo and record show the exact installed model.	Connections Terminal, cable and connector checks are complete.
Function The affected command, indication or supply path has been exercised.	Safe state Loss-of-power or loss-of-command behavior matches the approved design.

Fault isolation and final record

1	Unexpected state: stop and capture evidence
2	Recheck identity, power boundary, position and connections
3	Compare configuration and revision-controlled records
4	Test the surrounding system before condemning the unit
5	Restore a safe state and document the verified outcome

Apter Power handover record

Model identity	Keep the complete WESTINGHOUSE model code and every suffix in purchasing, installation and acceptance records.
Verification boundary	Confirm the physical nameplate, installed position and revision-controlled project documents before field work.
Apter Power support	Use the contact details and Apter Power website links in this document for product and sourcing support.

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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