

WESTINGHOUSE 1X00024H01 WH1-2FF

Dual-Output Power Supply

WESTINGHOUSE 1X00024H01 WH1-2FF is an Ovation AC-input power supply with separate 24 V main and 24 V auxiliary outputs rated for a combined 500 W.

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 Open the upstream disconnect and verify both DC outputs are de-energized before handling WESTINGHOUSE 1X00024H01 WH1-2FF.	2 Preserve the full WH1-2FF suffix and compare the physical nameplate with the work order before installation.
3 Record AC input, protective earth, main-output and auxiliary-output conductors before disconnection.	4 Confirm the available source remains within 85-264 VAC RMS at 47-63 Hz.

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 1X00024H01 WH1-2FF 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

AC-input boundary	Wide-range single-phase source and protective disconnect
Conversion boundary	Internal AC/DC supply stages identified by the full model
Main-output boundary	24 VDC supply path rated 300 W
Auxiliary-output boundary	24 VDC supply path rated 200 W with series isolation diode

Pre-job evidence review

H1 85-264 VAC input range	H2 24 V main and 24 V auxiliary outputs
H3 500 W combined output capacity	H4 Series isolation diode on auxiliary output

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 Check main and auxiliary loads separately and keep their combined demand within 500 W.	6 Observe polarity and do not bypass the documented auxiliary-output series isolation arrangement.
7 Energize without downstream loads first when the site procedure permits, then add loads in controlled stages while monitoring voltage and current.	8 Complete acceptance with input, both output voltages, loaded current, thermal condition and cabinet alarm checks recorded.

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 5X00300G01	Portfolio reference only; verify compatibility independently.
WESTINGHOUSE 5X00419G01	Portfolio reference only; verify compatibility independently.
WESTINGHOUSE 5X00481G04	Portfolio reference only; verify compatibility independently.

	Apter Power technical support sales13@apterpower.com +86 180 3023 5313 www.apterpower.com	Model record WESTINGHOUSE 1X00024H01 WH1-2FF Dual-Output Power Supply Verify the complete nameplate before installation.
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