

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.

IDENTITY AND FUNCTION SNAPSHOT

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

Installed-system position

1	Single-phase AC source
2	1X00024H01 WH1-2FF conversion stage
3	Main and auxiliary 24 VDC feeds
4	Ovation cabinet loads

Exact-model release boundary

Identity Keep WESTINGHOUSE 1X00024H01 WH1-2FF 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 1X00024H01 WH1-2FF provides one main and one auxiliary DC output. The auxiliary output includes a series isolation diode, and the combined output loading must stay within the documented power limit.

CONTROL PATH

1	Single-phase AC source
2	1X00024H01 WH1-2FF conversion stage

3	Main and auxiliary 24 VDC feeds
4	Ovation cabinet loads

Interface architecture

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

Interface acceptance checks

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

Engineering rule

A nearby WESTINGHOUSE family code does not establish interchangeability with 1X00024H01 WH1-2FF; use the physical nameplate and controlled site records.

ENGINEERING SUMMARY / MODEL-SPECIFIC CHECKPOINTS	
<ul style="list-style-type: none">AC-input boundary: Wide-range single-phase source and protective disconnect	<ul style="list-style-type: none">Conversion boundary: Internal AC/DC supply stages identified by the full model
<ul style="list-style-type: none">Main-output boundary: 24 VDC supply path rated 300 W	<ul style="list-style-type: none">Auxiliary-output boundary: 24 VDC supply path rated 200 W with series isolation diode

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	Dual-output AC/DC power supply
Full identifier	1X00024H01 WH1-2FF
Input voltage	85-264 VAC RMS
Input frequency	47-63 Hz
Main output	24 VDC, 300 W
Auxiliary output	24 VDC, 200 W
Combined output power	500 W
Output arrangement	One main; one auxiliary
Auxiliary isolation	Series isolation diode
Recognition	UL 1950 recognized; file E150340
Supersedes	4D33900G13; 4D33900G19

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
Ovation Planning and Installation Manual U3-1000, 1X00024H01 power-supply data	Supports only the exact-model or explicitly applicable family facts used in this document.
Exact requested full identifier 1X00024H01 WH1-2FF retained without decoding the suffix	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 1X00024H01 WH1-2FF against the approved service procedure
4	Correct the isolated cause and restore the recorded configuration
5	Commission the affected path and archive measured evidence

Eight product-specific precautions

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.
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.

05 / ENGINEERING FAQ AND SUPPORT

Model-specific engineering decisions

Engineering decision	Controlled response
What input range applies to WESTINGHOUSE 1X00024H01 WH1-2FF?	The documented input range is 85 to 264 VAC RMS at 47 to 63 Hz.
Which outputs are provided by WESTINGHOUSE 1X00024H01 WH1-2FF?	It provides one 24 VDC main output and one 24 VDC auxiliary output.
What is the main-output rating of WESTINGHOUSE 1X00024H01 WH1-2FF?	The main 24 VDC output is rated 300 W.
What is the auxiliary-output rating of WESTINGHOUSE 1X00024H01 WH1-2FF?	The auxiliary 24 VDC output is rated 200 W.
What combined load can WESTINGHOUSE 1X00024H01 WH1-2FF supply?	The documented combined output capacity is 500 W.

Engineering decision	Controlled response
How is the auxiliary output of WESTINGHOUSE 1X00024H01 WH1-2FF isolated?	The auxiliary path includes a series isolation diode.
Which earlier supplies are superseded by WESTINGHOUSE 1X00024H01 WH1-2FF?	The 1X00024H01 supply is documented as superseding 4D33900G13 and 4D33900G19.
Which checks complete WESTINGHOUSE 1X00024H01 WH1-2FF commissioning?	Verify source frequency and voltage, protective earth, both output polarities and voltages, loaded currents, thermal condition and cabinet alarms.

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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ENGINEERING SUMMARY / MODEL-SPECIFIC CHECKPOINTS

- Exact model: WESTINGHOUSE 1X00024H01 WH1-2FF
- Retain nameplate, wiring and as-left acceptance evidence.
- Use only the Apter Power links contained in this document.
- Verify compatibility independently before installation.