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.

01	02	03	04
85-264 VAC input range	24 V main and 24 V auxiliary outputs	500 W combined output capacity	Series isolation diode on auxiliary output

System position

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

Product and release scope

Exact identity	Engineering use	Verification boundary	Acceptance
WESTINGHOUSE 1X00024H01 WH1-2FF is retained without shortening its suffix.	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.	Only exact-model or explicitly applicable family facts are populated.	Connections, configuration, function and safe response require recorded proof.

02 / CAPABILITY AND INTERFACE MAP

Verified technical matrix

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

Interface architecture

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

Control path

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

Technical service focus

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

Use cases with controlled scope

Ovation cabinet power

Supplies the installed control cabinet's main and auxiliary 24 VDC buses.

Legacy supply replacement

Replaces the documented earlier 4D33900G13 or G19 supply position when the project record agrees.

Load-separation service

Maintains distinct main and auxiliary output paths within the combined rating.

Power-fault troubleshooting

Provides a defined boundary for input, main-output, auxiliary-output and downstream-load tests.

INTEGRATION CHECKPOINTS

Identity

WESTINGHOUSE 1X00024H01 WH1-2FF remains complete in purchasing, drawings and labels.

Host system

Installed position and surrounding hardware are verified before exchange.

Configuration

Project data, jumpers, wiring and settings are recorded as applicable.

Acceptance

Functional and safe-state evidence is captured before release.

Installation decision points

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.

System relationship

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

FAQ decision matrix

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.

Eight release 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.

Product verification and contact

Evidence 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.

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.