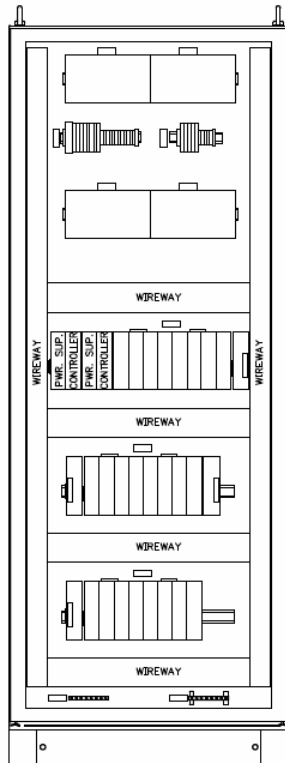
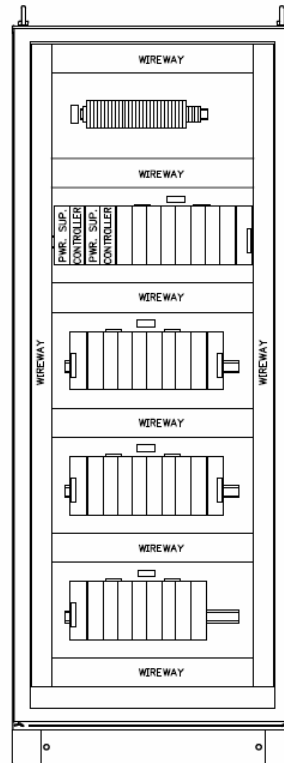




# Free Standing DeltaV Single Door Cabinet



PANEL FRONT



PANEL REAR

- Minimized design costs
- Decreased delivery time
- Decreased material and labor costs through standardized approach
- Decreased quotation time

## Introduction

DeltaV cabinets are designed to be a flexible addition to any system and, when combined with Emerson Process Management's engineering services, can be customized to meet client- or project-specific requirements.

Using a standardized approach, Emerson can deliver a flexible package to minimize design costs and decrease cabinet delivery time.



## Features

- 79"Hx31"Wx24"D free standing single door NEMA 12 enclosure
- General purpose areas
- PVC wire ducts. Wire hoops for field cables
- Simplex or redundant controller/power supply design
- For up to 4, two-wide carriers simplex or redundant dependent (for system power supplies and controllers)
- For up to 8, eight-wide carriers (for up to sixty-four DeltaV cards)
- Simplex/redundant DC/DC system power supplies, fed from 12VDC bulk power supplies
- Simplex/redundant bulk AC - 24VDC power supplies
- Simplex/redundant bulk AC - 12VDC power supplies
- Incoming AC power breaker and terminal blocks
- 24VDC fuses and terminal blocks
- Isolated ground bar
- Power wiring to power supplies and carriers
- Front only or front and rear access, bottom cable entry
- Designed to North American specifications
- Cabinet flexibility
- Minimized engineering and design costs
- Decreased delivery time
- Standard non-lockable door latches



## Additional Services

- Availability of Emerson Engineering Services for customization:
  - Nameplates
  - Marshalling
  - Autocon testing of I/O
  - Pharmaceutical validation
  - I/O card installation
  - Adaptation to environmental conditions

*For more information regarding available Emerson Engineering Services, refer to the services data sheet.*



## Product Description

The following tables describe the Single Door Free Standing DeltaV Cabinet for up to eight 8-wide carriers, redundant power supplies, front/rear access, and bottom entry:

Enclosure Description	
ITEM	DESCRIPTION
Cabinet	Single Door, Free Standing, NEMA 12 Enclosure, 79"Hx31"Wx24"D, including 1 Full Mount Panel, Dual Access, 2 Side Walls, Plinth Base, Rear Full Mount Panel.
Material	Body: 16 gauge carbon steel body Door: 14 gauge carbon steel door
Finish color	Enclosure / Door: E-coat primer and powder painted
	Outside: RAL 7035 light grey
Sub panel	Galvanized

Items Supplied with Cabinet	
DESCRIPTION	
Ground Bar (15) #14 - #4 & (1) #1/0 - #4/0 Lugs.	
Insulator Kit for Ground Bar	
DIN Mounting Rails, Perforated	
Terminal Strip End Brackets	
Insertion Bridges (Jumper Bar)	
Fuse Terminal Blocks, 600V, 25 AMP	
Terminals, 1-Pole, 600V, 41 AMP	
Ground Terminals, 1-Pole, 600V	
Terminal End Covers	
Circuit Breaker, 20 AMP, 1-Pole	
Fuses, 1 AMP	
Fuses, 5 AMP	
Fuses, 10 AMP	
PVC Wire Ducts, White, 3"W x 4"H W/Cover.	



<b>DeltaV Components Provided to Fabricator by Local Sales Office</b>	
<b>DESCRIPTION</b>	<b>QTY</b>
2-Wide Power / Controller Carrier (VE3051C0)	1 to 4
System Power Supplies (DC/DC) (VE5008)	1 to 4
8-Wide I/O Interface Carrier with Shield Bar (VE405S2K1C0)	As Req'd
8-Wide I/O Interface Carrier with Shield Bar and Ext. Cable (VE4050S2K1C1)	As Req'd
Power Supplies, bulk AC to 24VDC (VE5011)	1 or 2
Power Supplies, bulk AC to 12VDC (VE5012)	1 or 2

## Drawings List

<b>Drawing Description</b>
DeltaV Cabinet 120VAC Power Distribution
DeltaV Cabinet 12VDC Power Distribution Redundant Power Supplies
DeltaV Cabinet 24VDC Power Distribution Redundant Power Supplies
DeltaV Panel Power and Grounding
DeltaV Cabinet 24VDC Horizontal Carrier Layout



## Ordering Information

Item	Description
PNL793124-5RDB	5 Carrier Panel (Up to 40 Cards) Redundant, Front/Back Access, Bottom Entry
PNL793124-5RDBL	5 Carrier Panel (Up to 40 Cards) Redundant, Front/Back Access, Bottom Entry, w/Panel Light
PNL793124-5RDBF	5 Carrier Panel (Up to 40 Cards) Redundant, Front/Back Access, Bottom Entry, w/Panel Fan
PNL793124-5RDBLF	5 Carrier Panel (Up to 40 Cards) Redundant, Front/Back Access, Bottom Entry, w/Panel Light and Fan
PNL793124-6RDB	6 Carrier Panel (Up to 56 Cards) Redundant, Front/Back Access, Bottom Entry
PNL793124-6RDBL	6 Carrier Panel (Up to 56 Cards) Redundant, Front/Back Access, Bottom Entry, w/Panel Light
PNL793124-6RDBF	6 Carrier Panel (Up to 56 Cards) Redundant, Front/Back Access, Bottom Entry, w/Panel Fan
PNL793124-6RDBLF	6 Carrier Panel (Up to 56 Cards) Redundant, Front/Back Access, Bottom Entry, w/Panel Light and Fan
PNL793124-7RDB	7 Carrier Panel (Up to 56 Cards) Redundant, Front/Back Access, Bottom Entry
PNL793124-7RDBL	7 Carrier Panel (Up to 56 Cards) Redundant, Front/Back Access, Bottom Entry, w/Panel Light
PNL793124-7RDBF	7 Carrier Panel (Up to 56 Cards) Redundant, Front/Back Access, Bottom Entry, w/Panel Fan
PNL793124-7RDBLF	7 Carrier Panel (Up to 56 Cards) Redundant, Front/Back Access, Bottom Entry, w/Panel Light and Fan
PNL793124-4SDB	4 Carrier Panel (Up to 32 Cards) Simplex, Front/Back Access, Bottom Entry
PNL793124-4SDBL	4 Carrier Panel (Up to 32 Cards) Simplex, Front/Back Access, Bottom Entry w/Panel Light
PNL793124-4SDBF	4 Carrier Panel (Up to 32 Cards) Simplex, Front/Back Access, Bottom Entry w/Panel Fan
PNL793124-4SDBLF	4 Carrier Panel (Up to 32 Cards) Simplex, Front/Back Access, Bottom Entry w/Panel Light and Fan
PNL793124-5SDB	5 Carrier Panel (Up to 40 Cards) Simplex, Front/Back Access, Bottom Entry
PNL793124-5SDBL	5 Carrier Panel (Up to 40 Cards) Simplex, Front/Back Access, Bottom Entry w/Panel Light
PNL793124-5SDBF	5 Carrier Panel (Up to 40 Cards) Simplex, Front/Back Access, Bottom Entry w/Panel Fan
PNL793124-5SDBLF	5 Carrier Panel (Up to 40 Cards) Simplex, Front/Back Access, Bottom Entry w/Panel Light and Fan



Item	Description
PNL793124-6SDB	6 Carrier Panel (Up to 48 Cards) Simplex, Front/Back Access, Bottom Entry
PNL793124-6SDBL	6 Carrier Panel (Up to 48 Cards) Simplex, Front/Back Access, Bottom Entry w/Panel Light
PNL793124-6SDBF	6 Carrier Panel (Up to 48 Cards) Simplex, Front/Back Access, Bottom Entry w/Panel Fan
PNL793124-6SDBLF	6 Carrier Panel (Up to 48 Cards) Simplex, Front/Back Access, Bottom Entry w/Panel Light and Fan
PNL793124-7SDB	7 Carrier Panel (Up to 56 Cards) Simplex, Front/Back Access, Bottom Entry
PNL793124-7SDBL	7 Carrier Panel (Up to 56 Cards) Simplex, Front/Back Access, Bottom Entry w/Panel Light
PNL793124-7SDBF	7 Carrier Panel (Up to 56 Cards) Simplex, Front/Back Access, Bottom Entry w/Panel Fan
PNL793124-7SDBLF	7 Carrier Panel (Up to 56 Cards) Simplex, Front/Back Access, Bottom Entry w/Panel Light and Fan
PNL793124-8SDB	8 Carrier Panel (Up to 64 Cards) Simplex, Front/Back Access, Bottom Entry
PNL793124-8SDBL	8 Carrier Panel (Up to 64 Cards) Simplex, Front/Back Access, Bottom Entry w/Panel Light
PNL793124-8SDBF	8 Carrier Panel (Up to 64 Cards) Simplex, Front/Back Access, Bottom Entry w/Panel Fan
PNL793124-8SDBLF	8 Carrier Panel (Up to 64 Cards) Simplex, Front/Back Access, Bottom Entry w/Panel Light and Fan
PNL793124-3SB	3 Carrier Panel (Up to 24 Cards) Simplex, Front Access, Bottom Entry
PNL793124-3SBL	3 Carrier Panel (Up to 24 Cards) Simplex, Front Access, Bottom Entry, w/Panel Light
PNL793124-3SBF	3 Carrier Panel (Up to 24 Cards) Simplex, Front Access, Bottom Entry, w/Panel Fan
PNL793124-3SBLF	3 Carrier Panel (Up to 24 Cards) Simplex, Front Access, Bottom Entry, w/Panel Light and Fan
PNL793124-3ST	3 Carrier Panel (Up to 24 Cards) Simplex, Front Access, Bottom Entry
PNL793124-3STL	3 Carrier Panel (Up to 24 Cards) Simplex, Front Access, Top Entry, w/Panel Light
PNL793124-3STF	3 Carrier Panel (Up to 24 Cards) Simplex, Front Access, Top Entry, w/Panel Fan
PNL793124-3STLF	3 Carrier Panel (Up to 24 Cards) Simplex, Front Access, Top Entry, w/Panel Light and Fan



## Model Numbers

PNL123456-abcd

12 = panel height, 34 = panel width, 56 = panel depth

a = # of 8-wide carriers

b = simplex(S) or redundant(R). All redundant panel designs can be provided as simplex by changing the R to S in the model number. The panel will not be redesigned, but the simplex panel has space for redundancy left empty.

c = dual access(D), bottom(B) or tTop(T) entry

d = light(L), fan(F)

## Options

Refer to the DeltaV Cabinet Customization services data sheet for additional services.

## Contact Information

To locate a sales office near you, visit our website at: [www.EasyDeltaV.com/reach](http://www.EasyDeltaV.com/reach) or if you have questions regarding cabinetry or additional services, e-mail us at [Panels@EmersonProcess.com](mailto:Panels@EmersonProcess.com)

For further information contact Emerson Process Management at 314-872-8623.

**To locate a sales office near you, visit our website at:** [www.EasyDeltaV.com/reach](http://www.EasyDeltaV.com/reach)

**...or call us at:**

Asia Pacific:	65.777.8211
Europe, Middle East:	41.41.768.6111
North America, Latin America:	+1 800.833.8314 or +1 512.832.3774

**For large power, water, and wastewater applications contact Power and Water Solutions at:**

[www.emersonprocess-powerwater.com](http://www.emersonprocess-powerwater.com)

**...or call us at:**

Asia Pacific:	65.777.8211
Europe, Middle East, Africa:	48.22.630.2443
North America, Latin America:	+1 412.963.4000

© Emerson Process Management. 1996—2007 All rights reserved.

DeltaV, the DeltaV design, SureService, the SureService design, SureNet, the SureNet design, and PlantWeb are marks of one of the Emerson Process Management group of companies. All other marks are property of their respective owners. The contents of this publication are presented for informational purposes only, and while every effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. All sales are governed by our terms and conditions, which are available on request. We reserve the right to modify or improve the design or specification of such products at any time without notice.

