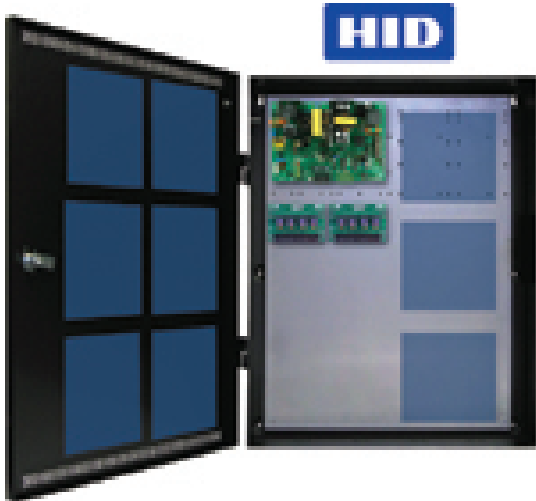


VCLASS

Integrated VertX power systems

All-in-one power solutions for 2, 4, 8 and 16 door HID Vertx access controllers. Single, Dual Voltage / Networked.

[VCLASS Product Guide](#)



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Standard VERTX Power

Doors	Single Voltage	Current/Voltage	Enclosure
2	FPO75-D8E1V	6A/12V	14Hx12Wx4.5D
4	FPO75-D8E2V	6A/12V	20Hx16Wx4.5D
8	FPO75-D8E4V	6A/12V	24Hx20Wx6.5D
16	FPO150-2D8E4V1	12A/12V	24Hx20Wx6.5D

Doors		Dual Voltage		
2		FPO75-B100C4E1V	2A/12V and 2A/24V	14Hx12Wx4.5D
2 auxiliary	V2000			
4		FPO75-B100C4D8E2V	2A/12V and 2A/24V	20Hx16Wx4
8		FPO150-B100C8D8E4V1	4A/12V and 4A/24V	24Hx20W
8 auxiliary	V1000 and four V100			
16		FPO75/250-2C82D8E4V1	6A/12V and 10A/24V	24Hx20W
16 auxiliary	V1000 and eight V100			
16		FPO150/250-2C82D8E8V	12A/12V and 10A/24V	36Hx30W
16 auxiliary	V1000 and eight V100			
Managed VERTX Power				
Doors		Dual Voltage		
4		FPO75-B100M8NL4E4V	2A/12V and 2A/24V	24Hx20Wx
8		FPO150-B100D8M8NL4E4V1	4A/12V and 4A/24V	24Hx20
8 auxiliary	V1000 and four V100			
16		FPO150/250-2D82M8NL4E8V	12A/12V and 10A/24V	36Hx30
8 auxiliary	V1000 and eight V100			
These standard and managed systems are small sample of possible configurations - contact Tec				
Enclosures				
2-4	E2V	20Hx16Wx4.5D		
4-8	E4V	24Hx20Wx6.5D		
8-16	E4V1*	24Hx20Wx6.5D		
8-16	E8V	36Hx30Wx6.5D		
*No battery space for 16 doors				

Integrated Access & Power

- VCLASS all-in-one systems puts power and VertX™ panels in one secure locking enclosure
- One AC drop minimizes wall space, simplifies installation, reduces time & labor costs
- FlexPower™ modularity and VCLASS versatility create unlimited system configurations
- Network options for diagnostic monitoring and control of power, battery and connected devices

Labor Saving Enclosure Design

- Factory pre-wired power section saves configuration time
- Removable backplate simplifies controller wiring
- Large enclosure depth accomodates battery sets
- Multiple knockout areas along all four sides

System Refinements

- Fault detection and reporting to host power and over the network with optional NetLink module
- Large enclosures with room for increased power, added output distribution or remote monitoring
- Modular power and distribution boards with snap-in standoffs simplify service and field upgrades
- Cam lock set, tamper switch and backplate hardware to mount the access control panels is included

[/tab] [tab title="Overview"] **PRODUCT HIGHLITES**

VCLASS unified power systems offers maximum flexibility, functionality and savings to access system designers.

VCLASS enclosures are engineered to house FlexPower™ power management boards alongside HID VertX™ access

controllers in one compact, secure system.

To prevent damage to system electronics, the backplate separates from the enclosure for access hardware mounting in the shop while wiring is pulled to the enclosure at the job site. Once configured, the backplate can be remounted for final ties and checkout.

Features

- Removable back plate simplifies job installation
- Engineered backplate pattern minimizes installation time
- Power boards mount on snap-in stand offs
- Access boards mount on supplied threaded metal standoffs

Mechanical refinements

- Large enclosure depth to accommodate battery
- 19 Gauge steel with textured black finish
- Board mounting hardware provided
- Lock and tamper switch standard

Reliability and Safety

- Lifetime Warranty
- RoHS Compliant

Agency Listings

- UL 294 / UL 603
- UL 1076
- ULC S318, 319,
- FCC Part 15, Subpart B
- CSA C22.2 107.1
- CSA 22.2 #60950
-



[Product Warranty](#)

[/tab] [tab title="Technical Documents"]

VERTX Standard Power				
Single Voltage	Datasheet	Install Manual	CAD F	

FPO75-D8E1V	DS	IM	CAD	AG
FPO75-D8E2V	DS	IM	CAD	AG
FPO75-D8E4V	DS	IM	CAD	AG
FPO150-2D8E4V1	DS	IM	CAD	AG
Dual Voltage	Datasheet	Install Manual	CAD F	

FPO75-B100C4E1V	DS	IM	CAD	AG
FPO75-B100C4D8E2V	DS	IM	CAD	AG
FPO150-B100C8D8E4V1	DS	IM	CAD	AG
FPO75/250-2C82D8E4V1	DS	IM	CAD	AG
FPO150/250-2C82D8E8V	DS	IM	CAD	AG
VERTX Managed Power				
Dual Voltage	Datasheet	Install Manual	CAD F	

FPO75-B100M8NL4E4V	DS	IM	CAD	AG
FPO150-B100D8M8NL4E4V	DS	IM	CAD	AG
FPO150/250-2D82M8NL4E8V	DS	IM	CAD	AG
VERTX Enclosures				
E2V	DS		CAD	
E4V	DS		CAD	
E4V1*	DS		CAD	
E8V	DS		CAD	

[/tab] [tab title="Support"]

Troubleshooting Guide

[FPO Troubleshooting](#)
[Accessory Troubleshooting](#)

Factory Contact

[Email Customer Service](#)
[Email Technical Department](#)

Business Contact

[Accounting Office](#)
[Area Sales](#)

[Representatives](#)

[/tab] [tab title="Tools & Software"] **Tools & Software**

Excel spreadsheets designed by the LifeSafety Power technical department to aid the installer in required calculations and example configurations of LifeSafety Power equipment when used in commonly found system applications.

Calculators / Software

- [B100 Power Calculator](#)
- [PowerCom-USB Download](#)
- [Ohms Law Calculator](#)
- [Battery Size Calculator](#)
- [Battery Capacity Calculator](#)
- [Wire Size Calculator](#)
- [Voltage Drop Calculator](#)
- [FlexCalculator Suite](#)

Application Notes

- [AN26_Distribution options](#)
- [AN13_VertX Power](#)

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