

## Overview

VCLASS™ Unified Power Solutions are engineered to house FlexPower® power modules alongside HID VERTX™ or Aero™ access hardware in one compact, secure solution.

This unit is a 75W dual voltage 12V and 24V DC access power system.

A C4 lock control module provides four access control inputs capable of voltage or dry contact activation, and four outputs programmable for failsafe / failsecure operation at either 12 or 24 VDC and controlled by the integrated fire alarm interface circuit on the FPO. A D8 module provides eight fused outputs and each output is configurable for 12 or 24VDC operation.

VCLASS enclosures are painted steel with removable backplate and include lock, two (2) keys and tamper switch.

## System Features

- ◆ **FPO offline power supply**
  - 120 or 230 VAC input
  - 12 and 24 VDC outputs
  - On board Fire Alarm Interface
  - Continuous and resettable DC
- ◆ **Distributed outputs**
  - Eight auxiliary, fused at 3A each
  - Four lock control, fused at 3A each
- ◆ **Remote Monitoring & Control Option** (requires NetLink module)
  - Live voltage / current reporting
  - Remote battery load testing
  - Output power cycling and abnormal operation alert
  - System / AC fault reporting
- ◆ **Lifetime Warranty**

## Enclosure Features

- ◆ **Labor saving design**
  - Pre-wired FlexPower section
  - Pre-formed knockouts
  - Removeable backplate simplifies install
  - Pre-defined hole pattern for power section
  - Access panels mount in predefined area with included standoffs - no drilling required
- ◆ **Additional benefits**
  - 4.5" enclosure depth fits batteries
  - All voltages backed up by 24V battery set
  - Wire management room
  - Tamper switch, lock, dual key set standard



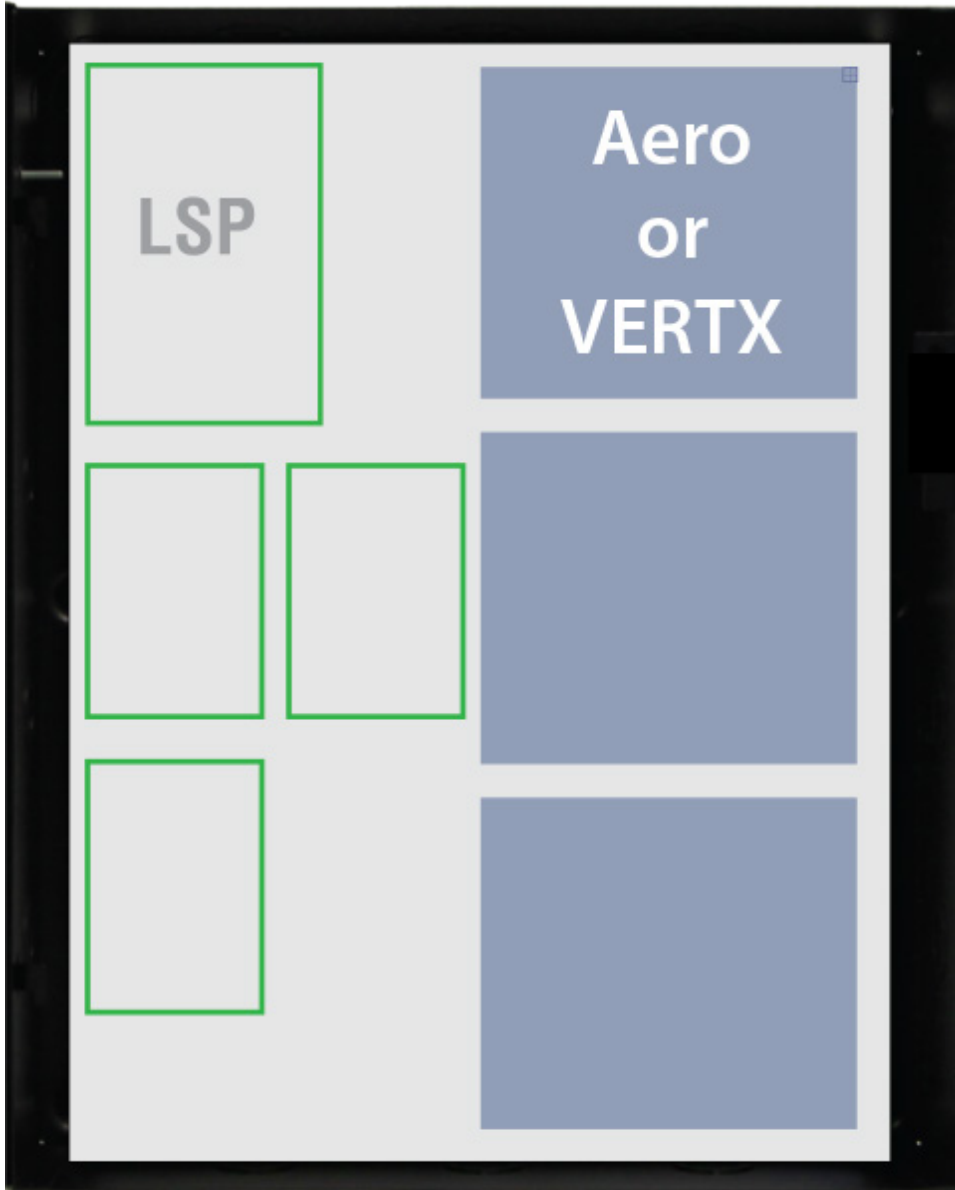
Ordering	Description
FP075-B100C4D8E2V	75W (12V & 24V) 4 lock, 8 auxiliary outputs, VCLASS enclosure



## Specifications

<b>Input Power</b>	Input 120/230 VAC 50/60 Hz   83 Watts (0.69A) Overload and short circuit protection Over temperature protection Polarized AC power supply disconnect
<b>Output Power</b>	FPO75: 12V/6A or 24V/3A   75 Watts Outputs: Continuous (DC1) Resettable (DC2) 4 lock outputs, fused at 3A each 8 auxiliary outputs, fused at 3A each 120 mV output voltage ripple System Efficiency: 83%   System BTU Rating: 33 BTU/Hr
<b>Battery Charging</b>	Independent built-in 1A charger for sealed lead acid or gel type batteries Microprocessor dual rate charging of 12 or 24 V battery sets Automatic switchover to standby battery when AC fails Zero voltage drop when switched over to battery backup
<b>Supervision</b>	AC Fail (form "C" contacts) System fail (form "C" contacts) may be triggered by low/no battery, short to earth ground and power supply failure
<b>Visual Indicators</b>	AC input, DC1 and DC2 output System fault   AC fault   Short to earth ground   Reverse battery polarity Fire Alarm Input activated B100: DC input, output and Fault C4: DC input, output and Fault D8: DC outputs
<b>Regulatory Compliance (LSP equipment)</b>	UL294, UL603, UL1076 ULC S318, ULC S319, CSA C22.2 #107.1, CSA C22.2 #60950 CE   CSFM Approved   FCC Part 15, Subpart B
<b>Physical Dimensions</b>	Enclosure: 20.00H x 16.00W x 4.50D in. (50.00 x 40.00 x 11.50 cm)
<b>Mounting Pattern For</b>	VERTX or Aero Modules

**E2V backplate mounting pattern for power and access boards**



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