

# VANTAGE™

power working harder for you



## Overview

Vantage smart power supply/chargers offer unique performance value with these standard features:

- **Built in Fire Alarm disconnect** on a per output basis
- **Low battery cutoff** protects batteries from deep discharge
- **Dedicated fast charger** prolongs battery life
- **Enhanced surge immunity** for input/output protection
- **Locksafe™** tight regulation provides longterm lock protection
- **OutSmart™** Visual LED notification (12V/Green, 24V/Blue)
- **Dual outputs** main and auxiliary rated 1.5A continuous
- **Network ready** with optional Netlink™ module
  - Monitor ac line voltage & other parameters in NetLink dashboard
  - Conduct battery load tests through any IP connection
  - Continuous data recording preserves site performance
- **Lifetime Warranty** LifeSafety Power's quality commitment



## Family Specifications

### Input

- 120/208/220VAC, 50/60Hz

### Outputs

- Main output continuous or switched on FAI Input
- Auxiliary output 1.5A Class II power limited
- Overload & short circuit protection with auto-restart

### Battery Backup:

- Built-in independent fast charger
- Instant auto-switch to battery on AC loss

### Supervision:

- AC fail, Battery fail, System fault (form "C")
- Low power shutdown when battery voltage too low

### Fire Alarm Disconnect Activation:

- DC voltage: 9 to 33VDC, 3 to 15mA
- Dry contact NO/NC
- Optional Fire Alarm latching

### Visual indicators:

- AC On, DC output, Fire Alarm activation

### Agency Approvals:

- UL294, UL603, UL1076
- ULC S318, S319, CSA C22.2#107.1 CSA 22.2 #60950
- ROHS Leadfree | CE Approved

## Electrical Specifications

	FPV4	FPV6	FPV102	FPV104
Input Voltage	120VAC, 208VAC, 220VAC 50/60Hz			
Input Current (max)	1.8A	3.7A	3A	5.7A
Main Output Voltage	12/24V	12/24V	12V	24V
Main Output Current	4A/3A	6A	10A	10A
Auxiliary Output Current	1.5A Class II Power Limited			
Maximum Charge Current	1 Amp	1.5 Amps		
Low Power Disconnect	at 70% of battery voltage			
System BTU/Hr - 12V	34	44	55	-
System BTU/Hr - 24V	41	62	-	92
Full Load Efficiency	83%	83%	89%	91%
Operating Temperature	-4 to +122F (-20 to +50C)			
E1 Enclosure	14H" x 12W" x 4.5D"   15.50lbs (7kg)			

# Vantage™ DC Supply/Chargers

FAI | Multi-Output | Network Ready | UL/CUL

## Best-in-Class Performance



### Vantage power supply features

VANTAGE™

ALX / Eflow

Wide range operation 120 / 208 / 230VAC	●	
LockSafe™ runs locks cooler for longer life	●	
Independent fast charger prolongs battery life	●	
Bicolor accessory board LEDs reduce wiring errors	●	
SurgeShield™ robust input/output surge protection	●	
Integrated FAI with accessory module communication	●	EFLOW only
Low battery cutoff prevents deep discharge	●	EFLOW only
<b>Enhanced Network Management</b>		
AC line voltage monitoring	●	
Remote battery monitoring and testing	●	
1000 event data recording	●	

	Industry Cross Reference		Vantage Model	Power
Standard Power	AL400ULX	EFLOW4N	<b>FPV4-E1</b>	4A @ 12, 3A/24VDC
	AL600ULX	EFLOW6N	<b>FPV6-E1</b>	6A @ 12/24VDC
	AL1012ULX	EFLOW102N	<b>FPV102-E1</b>	10A @ 12VDC
	AL1024ULX	EFLOW104N	<b>FPV104-E1</b>	10A @ 24VDC
Access Control	AL400ULACM	EFLOW4NA8	<b>FPV4-R8E1</b>	4A eight lock outputs
	AL600ULACM	EFLOW6NA8	<b>FPV6-R8E1</b>	6A eight lock outputs
	AL1012ULACM	EFLOW102NA8	<b>FPV102-R8E1</b>	10A eight lock outputs
	AL1024ULACM	EFLOW104NA8	<b>FPV104-R8E1</b>	10A eight lock outputs
Auxiliary Outputs	AL400ULXPD8	EFLOW4N8	<b>FPV4-D8E1</b>	4A eight aux outputs
	AL600ULXPD16	EFLOW6N16	<b>FPV6-2D8E1</b>	6A sixteen aux outputs
	AL1012ULXPD16	EFLOW102N16	<b>FPV102-2D8E1</b>	10A sixteen aux outputs
	AL1024ULXPD16	EFLOW104N16	<b>FPV104-2D8E1</b>	10A sixteen aux outputs

Vantage crosses to many other models - contact factory for details

### Vantage Dual Voltage

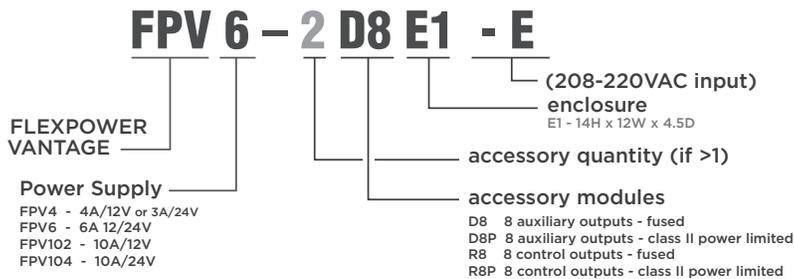
### Power

<b>FPV4-B100E1</b>	2A/12V, 2A/24V
<b>FPV6-B100E1</b>	4A/12V, 4A/24V
<b>FPV104-B100E1</b>	8A/12V, 4A/24V

*dual voltage, one enclosure, one ac drop, system requires only 24V battery*



**Part Number Nomenclature**

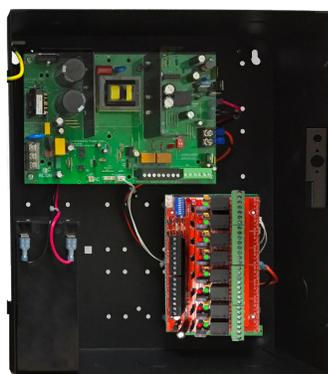


**Out of the Box Power Configurations**



**FPV Power Supply (FPVx-E1)**

- FPV power supply/charger
- Network ready
- Dedicated fast charger
- Low battery cutoff
- Fire alarm disconnect
- Main output selectable for continuous or failsafe on fire alarm
- Auxiliary output 1.5A class 2 power ltd
- Enclosure compatible with all LSP accessory modules



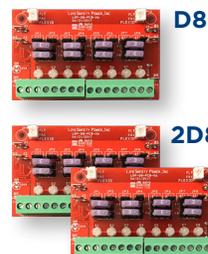
**Lock Control (FPVx-R8E1)**

- All standard power features plus:
- Eight (8) lock outputs with trigger inputs and fire alarm control. Each output selectable for continuous, failsafe or failsecure
  - Relay isolation



**FPV Power Supply (FPVx-D8E1)**

- All FPV standard power features plus:
- 8 (D8) auxiliary outputs
  - 16 (2D8) auxiliary outputs



**R8 - LOCK DISTRIBUTION**

**Input options**

- Normally Open
- Open collector sink power limited

**Eight Independently Controlled Outputs**

- Programmable failsafe or failsecure
- Form "C" 5 Amp relay contacts
- Output ratings:

R8 3.0 Amp Fused  
 R8P 2.5 Amp Class II Power Limited

**Innovative OutSmart™ Bi-color LEDs**

- Gives visual confirmation of voltage setting:  
 Green when 12V | Blue when 24V

**D8 - AUXILIARY DISTRIBUTION**

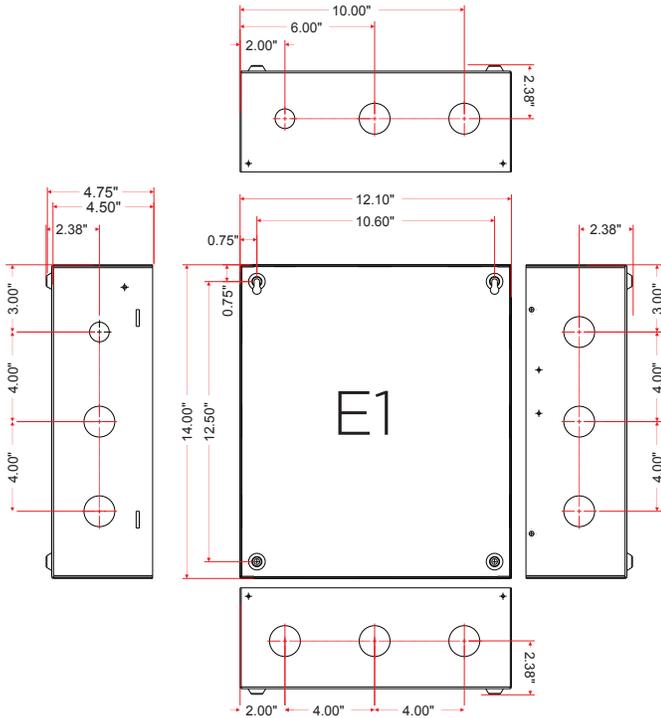
**Eight Individually Protected Outputs**

- D8 3.0 Amp Fused  
 D8P 2.5 Amp Class II Power Limited
- Multiple outputs for auxiliary power distribution or direct lock control and additional power distribution modules
  - FlexConnect® Dual Buss Architecture for field selectable Buss 1 or Buss 2 output

**Innovative OutSmart™ Bi-color LEDs**

- Gives visual confirmation of voltage setting:  
 Green when 12V | Blue when 24V

Enclosures E1 14"H x 12"W x 4.5"D (36 x 31 x 12 cm)



Includes lock set

- Tamper switch option pn: **A05-304**

**IMPORTANT**

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