LifeSafety Power®

FLEXPOWER GLOBAL™

FPG100 | 100W | 8A @ 12V, 4A @ 24VDC

- **Universal Input** global operation
- **FAI** built in Fire Alarm Interface
- **NetLink™** network interface
- **Locksafe™** tight regulation provides longterm lock protection
- **OutSmart™** Bi-color output LED verifies voltage setting
- **SureCharge™** Micro processor controlled battery charger
- **DPM™** RS485 Interface for Distributed Power Monitoring

Ordering	
FPG100-Boxed	Power supply/charger board

AGENCY APPROVALS

– CE (Europe)
– UL/ULC (Americas)
– BIS (India)
– PSE (Japan)
– RCM (Australia/NZ)
– IEC 62368-1:2014, EN55032:2015, EN61000-3-2:2014
– EN61000-3-3:2013, EN55024:2010 +A1:2015
– ROHS 3 Leadfree

OVERVIEW

The FPG100 is a universal input offline switchmode power supply-battery charger rated for 8A/12V or 4A/24V DC.

Complete fault detection and reporting is via independent AC Fault and System Fault form C relay contacts. A built-in Fire Alarm Interface allows unlocking of doors on a fire alarm condition.

Features:

- **Universal input** global operation
- **Low battery cutoff** protects batteries from deep discharge
- **Dedicated fast charger** prolongs battery life
- **Enhanced surge immunity** for input/output protection
- **Network ready** communicates with NetLink network module locally or via RS485
- **Lifetime Warranty** LifeSafety Power's quality commitment

SYSTEM SPECIFICATIONS

Input:
100 - 240 Vac +/- 10%, 50/60Hz | 156 Watts maximum

Output:
4A @ 24VDC | 8A @ 12VDC
  – Overload & short circuit protection with auto-restart
  – Bi-color LED: Blue (24VDC) | Green (12VDC)

Battery Backup:
Autoswitch to battery with zero transfer time
  – Built in fast charger at 1.1A charge current
  – Low power cutoff to prevent battery deep discharge
  – Reverse battery protection

Supervision:
AC fail, System fault (form "C")
  – Low power shutdown when battery voltage too low

Visual Indicators:
  – AC On, DC output, System Fault, Fire Alarm

Mechanical specifications:
  – Board: 210L x 140W x 60H mm | 8.25L x 5.5W x 2.4H"
  – Removable metal housing

ELECTRICAL RATINGS

Parameter	Rating
Input Voltage	100 - 240 Vac +/- 10%, 50/60Hz
Input Power (max)	153W	2A	Power Factor >0.9
Main Output	8Amps @ 12V or 4Amps @ 24V
Maximum Charge Current	1.1 Amp / 0.55A Selectable
Low Power Disconnect	at 70% of battery voltage
System BTU/Hr	85
Operating Temperature	-4 to +122F (-20 to +50C)
Efficiency	81% 120VAC 60Hz In, Full Load

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 Specifications subject to change without notice.

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