

## Overview

LSP iSTAR Edge G2 power systems combine a dual voltage power system alongside Software House iSTAR Edge G2 controllers within a single enclosure. Edge G2 power systems provide power for four-reader IP access control edge systems either at the door or from a central location.

All models are available as standard or network managed.

C4 or M8 control modules each provide 4/8 access control inputs capable of voltage or dry contact activation, and 4/8 outputs programmable for failsafe / failsecure operation at either 12 or 24 VDC and controlled by the power supply fire alarm interface. The D8 module provides eight auxiliary outputs. Each output is configurable for 12 or 24VDC operation.

LSP Software House power enclosures are painted steel with removable backplate, lock, keys and tamper switch and come 100% factory tested – ready for final panel installation and field wire termination.



*E2S backplate has additional IO patterns - see page 2*

## Basic Features

- ◆ Integrated power & access
- ◆ 120VAC, 230VAC, or PoE input
- ◆ SLA or LiFePO4 battery charging
- ◆ Aux & lock power outputs

## Managed Features

- ◆ **Monitor:** ac power, system faults, service due
- ◆ **Control:** device power cycle, remote battery test
- ◆ **Predict:** battery life, lock replacement
- ◆ **Report:** 1000 event log, fault analysis

## Edge G2 Power Selector

### 120/230 VAC input, 12 and 24VDC output with local fire alarm disconnect and battery backup

Type	Model Number	Power Out	Outputs	20 x 16 Cabinet - VAC Layout
STANDARD	FPO75-B100C4D8E2S	75W	4 Control / 8 Auxiliary	
MANAGED	FPO75-B100M8NL4E2S	75W	8 Managed	

### 48VDC PoE input, 12 and 24VDC output with fire alarm disconnect over ethernet and battery backup

Type	Model Number	Power Out	Outputs	20 x 16 Cabinet - PoE Layout
STANDARD	BX75-C4D8E2S	75W	4 Control / 8 Auxiliary	
MANAGED	BX75-M8NL4E2S	75W	8 Managed	



Scan QR code for short video tutorial on LSP power distribution features

#### Power Distribution:

Standard systems use D8 auxiliary outputs and C4 control outputs  
 Managed systems use M8 managed control outputs

## Product Specifications

Power Supplies	<p><b>FPO75/B100</b> 2A@12V and 2A@24V DC, 75W maximum combined output power Input 120VAC 50/60Hz   Overload and short circuit protection   Over temperature protection</p> <p><b>BX75/B100</b> 2A@12V and 2A@24V DC, 75W maximum combined output power Input PoE 90W Maximum   Overload and short circuit protection   Over temperature protection</p>
Regulation	12 and 24VDC regulated output 120 mV output voltage ripple
Efficiency / BTU	System Efficiency: 86% System BTU Rating: 33 BTU/Hr
Battery Charging	Independent built-in charger for sealed lead-acid or Lithium Iron Phosphate battery sets Microprocessor dual rate charging of 12 and 24V battery sets Automatic switchover to standby battery when AC fails   Zero voltage drop when switched over to battery backup
Supervision	AC Fault (form "C" contacts)   System Fault (form "C" contacts) System Fault conditions: Low or no battery   short to earth ground   power supply failure

## Power Distribution

Standard: 8 auxilliary outputs: fused at 3A per output, 4 lock outputs fused at 3A per output  
 Networked: 8 managed lock outputs fused at 3A per output

## Mechanical

E2S Enclosure Size: 20.00H x 16.00W x 4.50D in. (51.00 x 41.00 x 11 cm) | Weight: 18 lbs. (8 kg) Backplate mounting for Edge controller panels

## FPO Agency Listings

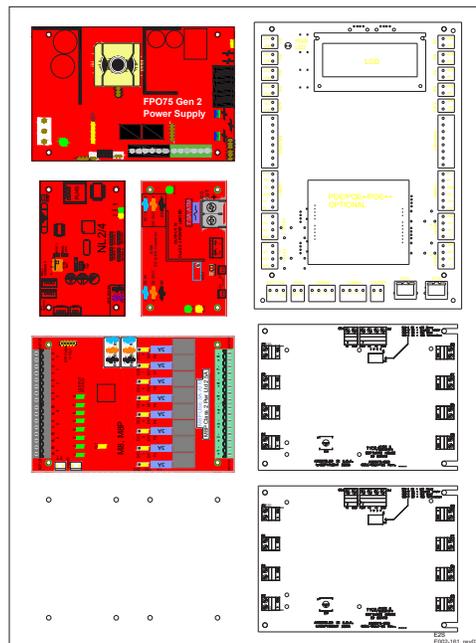
US / Canada UL294, UL1076 ULC S318, S319 | CSA C22.2 #107.1  
 International CE | UKCA | BIS | NOM | RCB | ROHS |

## BX Agency Listings

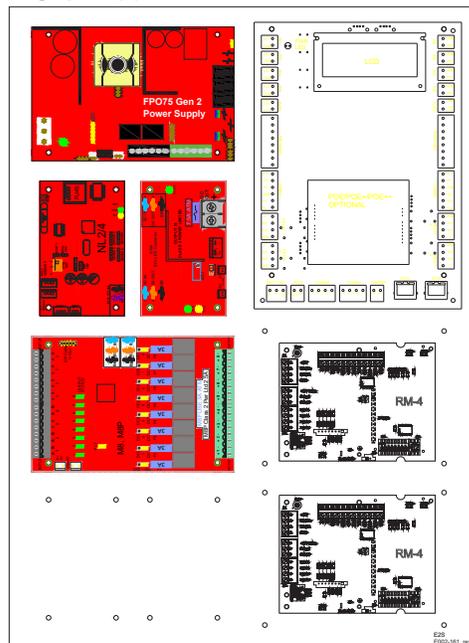
UL294  
 CE

## E2S Backplate Layout Pattern

### Edge plus I/O



### Edge plus (2) RM4



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