



INDUSTRIAL FIRE & GAS PROTECTION



FB-PowerBoost[®] - UPS
ANSI / UL - 864 10th Edition Power Sub-System for
the FB-FirePAC[®] Fire Alarm Control Panel



FireBus

Design

Choice

The FB-PowerBoost® solution leverages standard FB-FirePAC® based hardware and is NRTL certified to the requirements of ANSI / UL 864 10th Edition.

Standard FB-PowerBoost packages house up to 2 banks of 24 VDC which add about 16 A of field power and 160 AH of battery reserves in a single enclosure. FireBus can package other combinations as required in a wide range of cabinet choices.



FB-PowerBoost

The FireBus "FB-PowerBoost" package uses the same high quality approved components as an FB-FirePAC industrial Fire Alarm Panel.

FB-FirePAC components:

- Power Supply / Charger
1864-FBD-8104
- Power Distribution STP
8800-STP-16PD
- 40 Amp Hour (TPPL) Batteries
EnerSys Genesis XE 40

Details:

The FB-PowerBoost cabinet holds either one or two power banks each consisting of a Power Supply / Charger and four 12 VDC 40 Amp Hour batteries arranged vertically. The four batteries on the left side (two in the bottom row and two in the top row) connect the power supply assembly on the left side and is designated "Bank 1" which is marked on the power supply dock.

The batteries are arranged in a series-parallel arrangement to yield 80 Amp hours per bank at a nominal 24 VDC. The batteries connect to the power supply / charger through the power distribution STP in the same manner as a standard FB-FirePAC system, eliminating engineering and reducing spare parts requirements.

The right side of the cabinet similarly contains "Bank 2" with its Power Supply / Charger and four batteries.

INDUSTRIAL FIRE & GAS PROTECTION

ON A TRUSTED, UBIQUITOUS PLATFORM USING STANDARD HARDWARE AND SOFTWARE WITH A WIDE CHOICE OF FIELD DEVICES

Scaleable

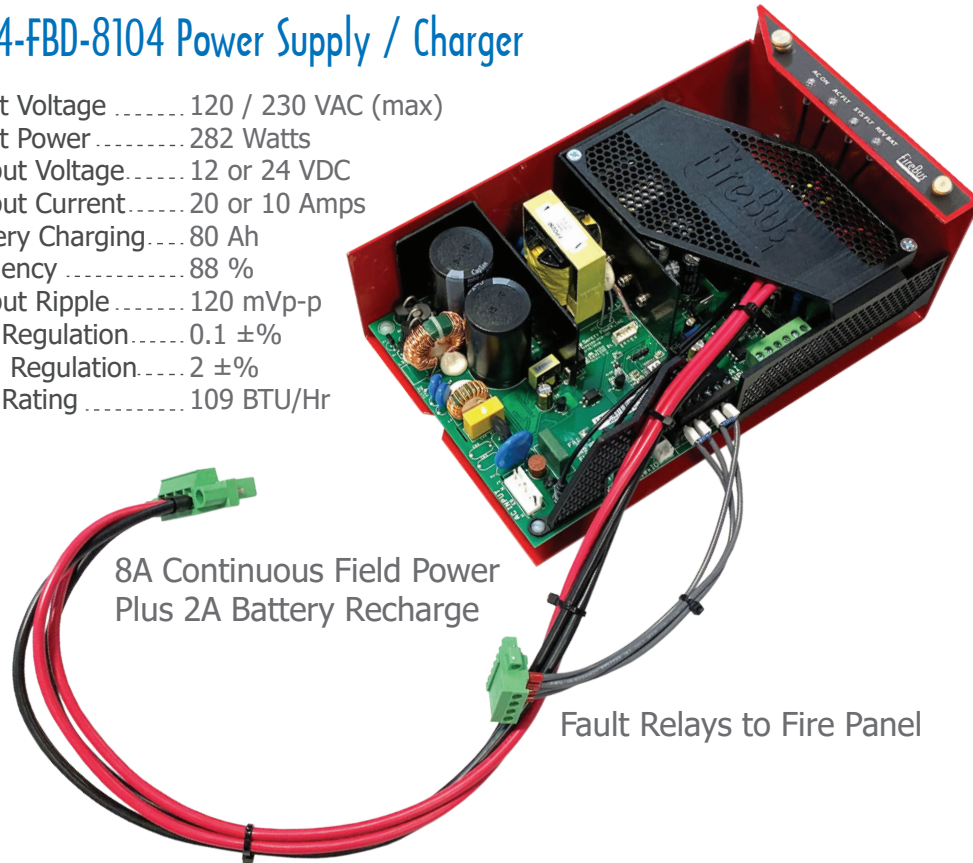
The 2 bank FB-PowerBoost package triples the amount of field power available to the core FB-FirePAC system allowing the addition of "power hungry" flame & gas detectors.

Flexible

Additional FB-PowerBoost packages can be added wherever FB-FirePAC chassis and I/O are located. The fast charging Thin Plate Pure Lead batteries have a wide temperature range adding flexibility in locating power expansion.

1864-FBD-8104 Power Supply / Charger

Input Voltage 120 / 230 VAC (max)
Input Power 282 Watts
Output Voltage..... 12 or 24 VDC
Output Current..... 20 or 10 Amps
Battery Charging... 80 Ah
Efficiency 88 %
Output Ripple 120 mVp-p
Line Regulation..... 0.1 ±%
Load Regulation.... 2 ±%
BTU Rating 109 BTU/Hr



8A Continuous Field Power
Plus 2A Battery Recharge

Fault Relays to Fire Panel

Diagnostics:

FB-FirePAC and FB-PowerBoost include comprehensive diagnostics for monitoring system and back up power health. This is displayed locally on the power supplies and on the appropriate Standard Display Unit (SDU) and FireBus ITP-AM Annunciator Panels.



FireBus, LLC

FireBus provides enabling technologies to Fire & Gas System users and system integrators that broaden the field device choices while reducing restrictions on how they can be integrated in a certified solution utilizing the ControlLogix® platform.

These exciting new products bridge the gap between stand-alone fire panels, detection products and the world's most popular programmable automation controller line in a way that is friendly to the systems developer while meeting the required regulatory approvals and satisfying the Authority Having Jurisdiction (AHJ)

SAFE JUST GOT SAFER

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