

DESCRIPTION

UNIPOWER's 3906 Series provides a compact battery disconnect solution with high-capacity, current-interrupting breakers.

The 3906 Battery Breaker Panel can be configured for +24V or -48V operation and has a maximum capacity of 500 amps.

Up to 13 breakers rated from 5A to 100A can be installed, subject to the overall capacity not being exceeded.

The 3906 Battery Breaker Panel incorporates a 500A return busbar.

FEATURES

- ◆ 3RU High: 5.22"
- ◆ 23-Inch Rack Mounting
- ◆ Current Capacity: 500A
- ◆ Operating Voltage: +24 or -48VDC
- ◆ 13 Breakers - 5A to 100A
- ◆ Integral Return Bar
- ◆ LED Alarm Indicator
- ◆ Form C Relay Contacts

THREE YEAR WARRANTY



STANDARD CONFIGURATIONS

VOLTAGE	ALARM	BREAKER POSITIONS	PART NUMBER
-48VDC	Yes	13	111-3906-48
+24VDC			111-3906-25

AVAILABLE BREAKERS

PART NUMBER	AMPS	PART NUMBER	AMPS
274-3811-05	5A	274-3811-40	40A
274-3811-10	10A	274-3811-50	50A
274-3811-15	15A	274-3811-60	60A
274-3811-20	20A	274-3811-70	70A
274-3811-25	25A	274-3811-80	80A
274-3811-30	30A	274-3811-90	90A
274-3811-35	35A	274-3811-100	100A

Note: Breakers must be ordered separately.

SPECIFICATIONS

Typical at 25°C Unless Otherwise Noted.

INPUT/OUTPUT

Breaker Type	AM1 with Alarm Contact
Breaker Current Rating	5A to 100A
Breaker Interrupt Rating	10kAIC
Panel Capacity	500A
Breaker Configuration	13 Breakers
Alarm Fuses	GMT (recommended 0.5A)
Voltage	
-48V Nominal	42-60VDC
+24V Nominal	21-30VDC

ALARMS

Alarm Indicator	Red LED
LED Status	OFF = Normal
	ON = Alarm
Alarm Relay	Form C

ENVIRONMENTAL

Operating Temp. Range	-10°C to +70°C
Storage Temp. Range	-40°C to + 85°C
Humidity	0% to 95%, Non-Condensing

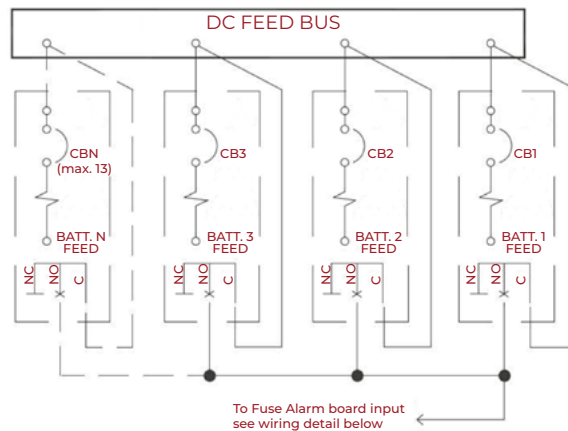
MECHANICAL SPECIFICATIONS

Panel Material	Steel
Finish	Powder Coat Gray
Dimensions, Inches (mm)	5.22 H x 23.00 W x 7.49 D (132.6 x 584.2 x 190.3)
Weight	16.0 lbs. (7.3 kg.)
Mounting	23" x 3RU

CONNECTIONS

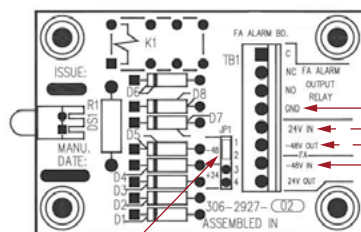
Bus Bar Connections	Accepts 2-hole lug (3/8" Hdw, 1" C-to-C)
Breaker Connections	1/4 - 20 Threaded Studs/Nuts
Alarm Connections	Compression/Screw Terminals

SCHEMATIC

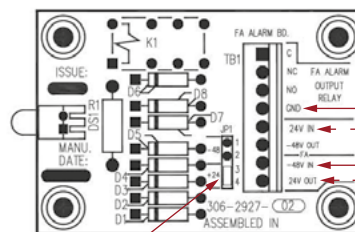


ALARM BOARD WIRING

WIRING DETAIL FOR
111-3906-48



WIRING DETAIL FOR
111-3906-24



OVERVIEW & DIMENSIONS

