

## 5000 SERIES

### BATTERY DISCONNECT PANELS

-48V or +24V | 600A

#### DESCRIPTION

UNIPOWER's 5000 Series provides a compact 19" rack-mounted 400A (3RU) or 600A (4RU) battery disconnect solution.

The panels can operate at +24V or -48V and incorporate a single pole single throw GJ1 style breaker along with a 500A or 800A shunt for measuring battery current.

The panel can be supplied configured for either a Normally Open or Normally Closed alarm condition.



CE  
2006/95/EC

RoHS

#### FEATURES

- ◆ 3RU or 4RU High
- ◆ 19-Inch Rack Mounting
- ◆ Current Capacity: 400A or 600A
- ◆ Operating Voltage: +24 or -48VDC
- ◆ SPST GJ1 Breaker
- ◆ LED Alarm Indicator
- ◆ Form C Relay Contacts

#### TWO-YEAR WARRANTY

#### SAFETY COMPLIANCE

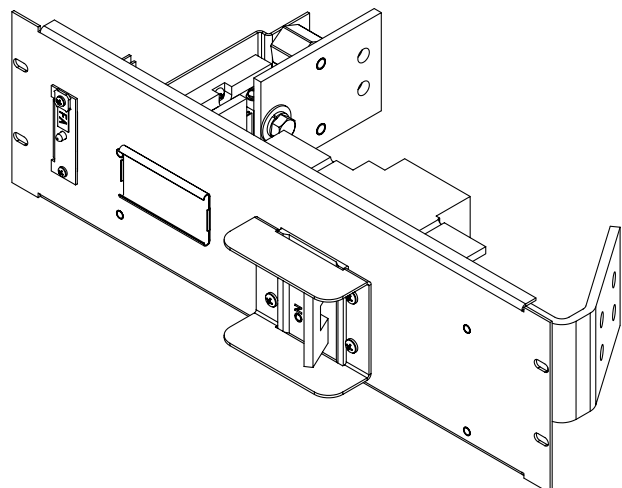
UL60950-1 2nd Ed.  
 CSA22.2, No. 950-1 2nd Ed.  
 EN60950-1 2nd Ed.

#### AVAILABLE CONFIGURATIONS

VOLTAGE <sup>1</sup>	BREAKER	SHUNT	ALARM <sup>3</sup>	PANEL SIZE	PART NUMBER
+24VDC or -48VDC	400A SPST <sup>2</sup> GJ1	500A	N.O.	19" x 3RU	111-5000-00
			N.C.		111-5000-10
	600A SPST <sup>2</sup> GJ1	800A	N.O.	19" x 4RU	111-5001-00
			N.C.		111-5001-10

#### Notes:

1. See alarm board wiring detail to select desired voltage.
2. Single Pole, Single Throw.
3. Alarm will activate on Normally Open or Normally Closed condition depending on model.



## SPECIFICATIONS

Typical at 25°C Unless Otherwise Noted.

### INPUT / OUTPUT

Breaker Rating / Panel Capacity.....	400A or 600A
Shunt .....	500A or 800A
Breaker Type .....	Single Pole, Single Throw GJI
Voltage .....	
-48V Nominal.....	42-60VDC
+24V Nominal.....	21-30VDC

### ALARMS

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

SAFETY STANDARDS (compliance with) .....	UL60950-1 2nd Ed. CSA22.2 No.60950-1 2nd Ed. EN60-950-1 2nd Ed.
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### ENVIRONMENTAL

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

### PHYSICAL SPECIFICATIONS

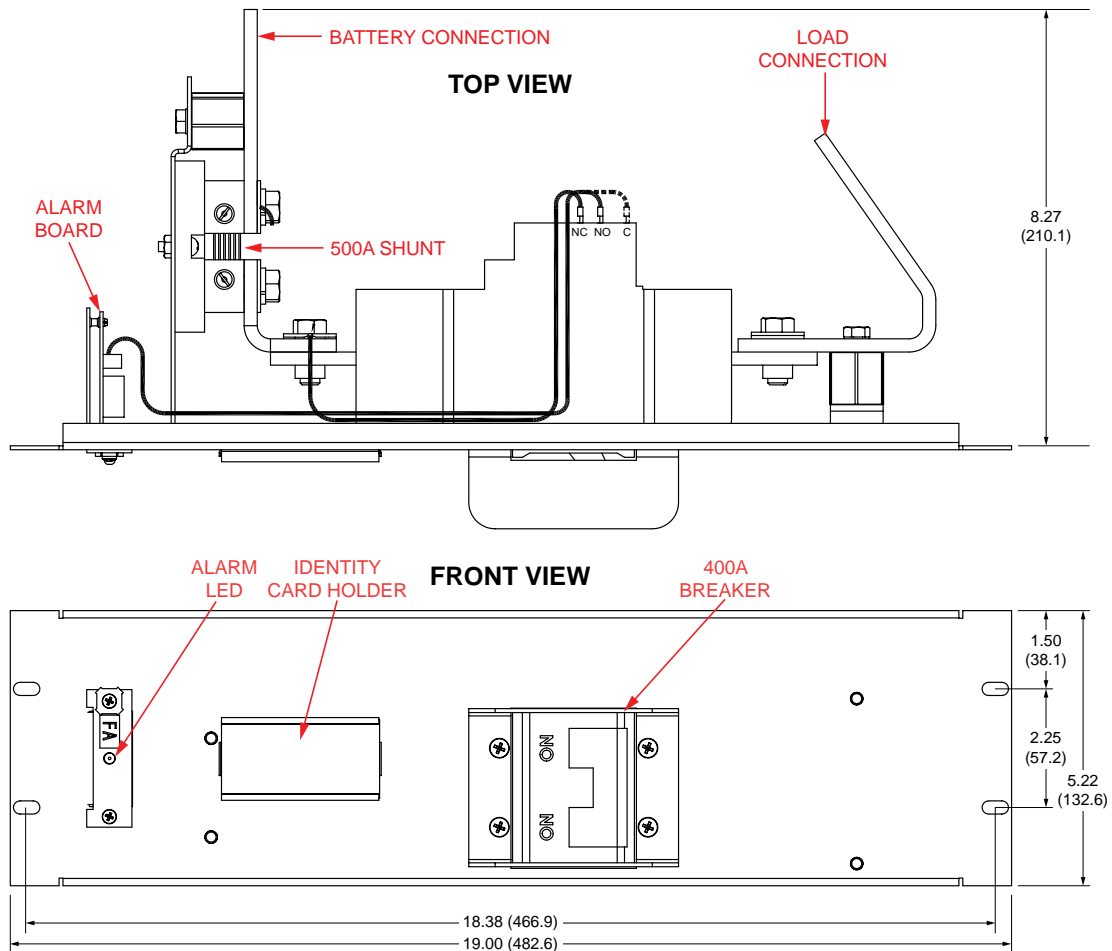
Panel Material.....	Steel
Finish.....	Powder Coat Gray
Dimensions, Inches (mm)	
400A models.....	5.22 H x 19.00 W x 8.27 D (132.6 x 482.6 x 210.1)
600A models .....	6.97 H x 19.00 W x 10.25 D (177.0 x 482.6 x 260.4)
Weight (shipping).....	29.0 lbs. (13.2 kg.)
Rack Mounting Width.....	19 Inches

### CONNECTIONS

Bus Connections.....	Accepts 2-hole lug (3/8" Hdw, 1" C-to-C)
Alarm Connections.....	Compression/Screw Terminals

## DESCRIPTION & DIMENSIONS

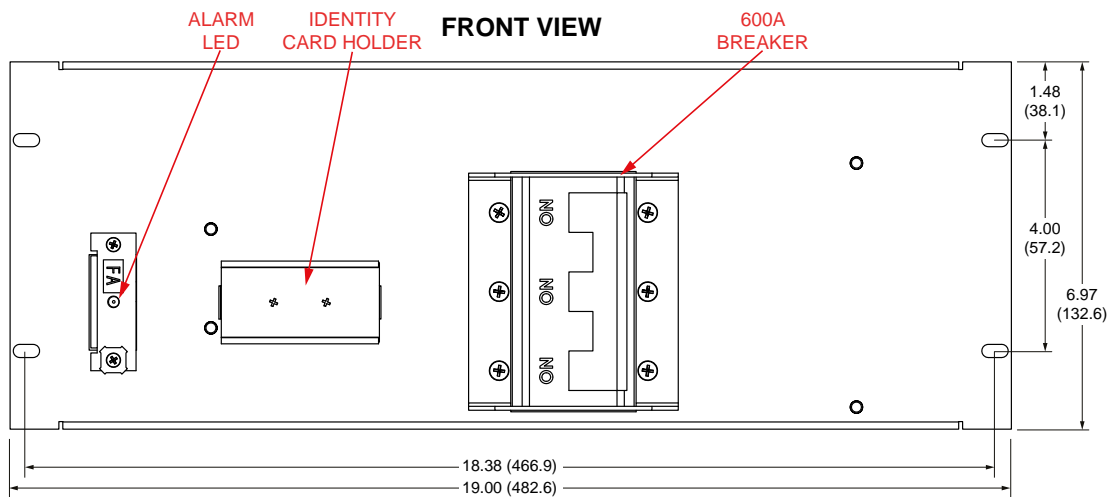
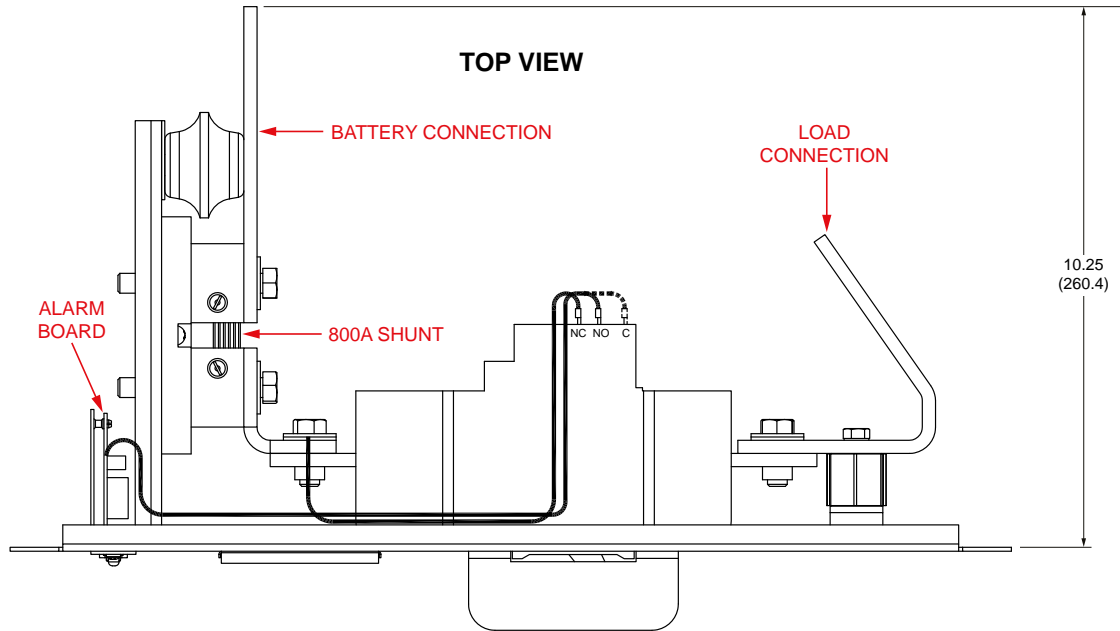
3RU - 400A Models



ALL DIMENSIONS IN INCHES (mm)

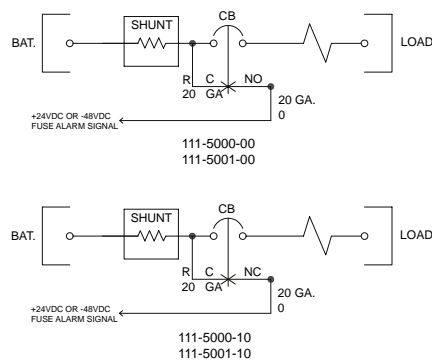
# DESCRIPTION & DIMENSIONS

4RU - 600A Models



ALL DIMENSIONS IN INCHES (mm)

## SCHEMATIC



## ALARM BOARD WIRING DETAIL

