# **IIIPANELTRONICS®**

# 1000 & 2000 Series - 5.50" Wide (139.70 mm)

- 1200 DC Accessory Panels
- 2200 DC Power Distribution & Accessory Panels ■ 2300 AC Power Distribution & Accessory Panels

# 3000 Series - 13.75" Wide (349.20 mm)

- 3200 DC Power Distribution Panels
  - 3300 AC Power Distribution Panels ■ 3400 AC/DC Power Distribution Panels

# 4000 Series - 17.75" Wide (450.85 mm)

- 4200 DC Power Distribution Panels ■ 4300 AC Power Distribution Panels
- 4400 AC/DC Power Distribution Panels

# 5000 Series - 11.00" Wide (279.40 mm)

- 5200 DC Power Distribution Panels
- 5300 AC Power Distribution Panels ■ 5400 AC/DC Power Distribution Panels

# 6000 Series - 19.00" Wide (482.60 mm)

- 6000 Rack Mount Blank Panels
- 6200 Rack Mount DC Power Distribution Panels
- 6300 Rack Mount AC Power Distribution Panels ■ 6400 Rack Mount AC or DC Power Distribution Panels

6001 19" W x 1.75" H (1-U) Blank Panel

6002 19" W x 3.50" H (2-U) Blank Panel

6003 19" W x 5.25" H (3-U) Blank Panel

6004 19" W x 7.00" H (4-U) Blank Panel

Series Panels shown are Premier Line Panels. Please Note: All panel drawings are not to scale

# 7000 Series

Push-to-Reset DC Distribution Panels

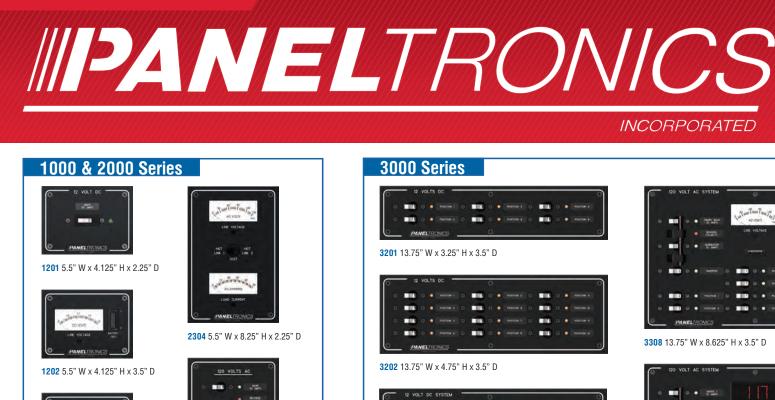
6302 19" W x 5.25" H (3-U)

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6303 19" W x 5.25" H (3-U)

6304 19" W x 8.75" H (5-U)

The 1000, 2000, 3000, 4000, 5000 and 6000



O ..... O ... MITCH 0 = 0 + min **2305** 5.5" W x 8.25" H x 3.5" D

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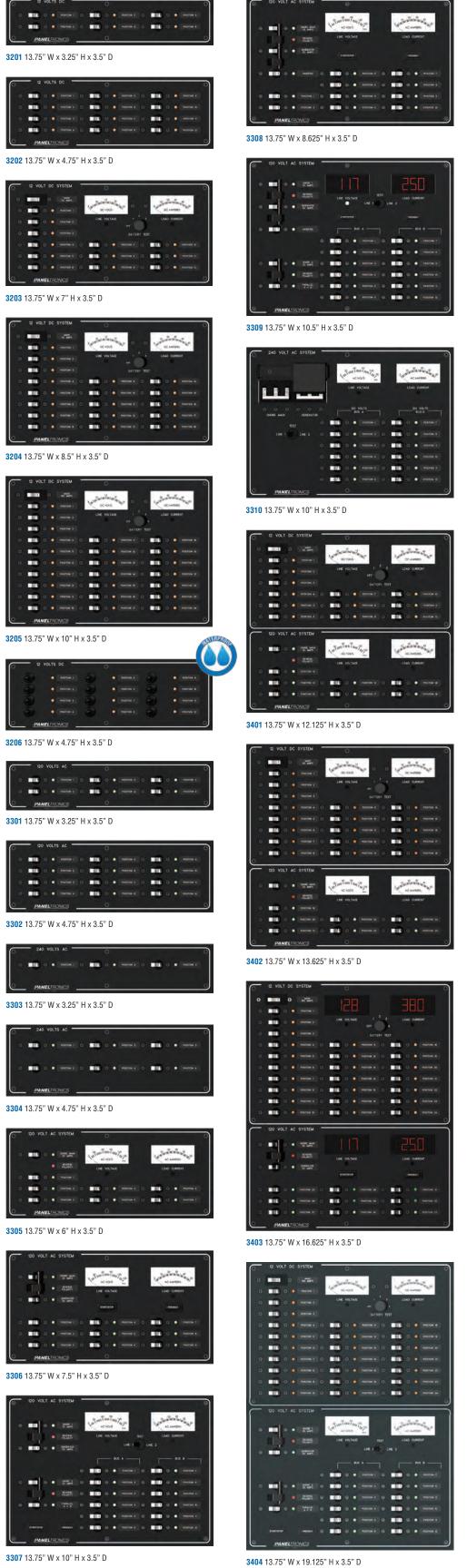




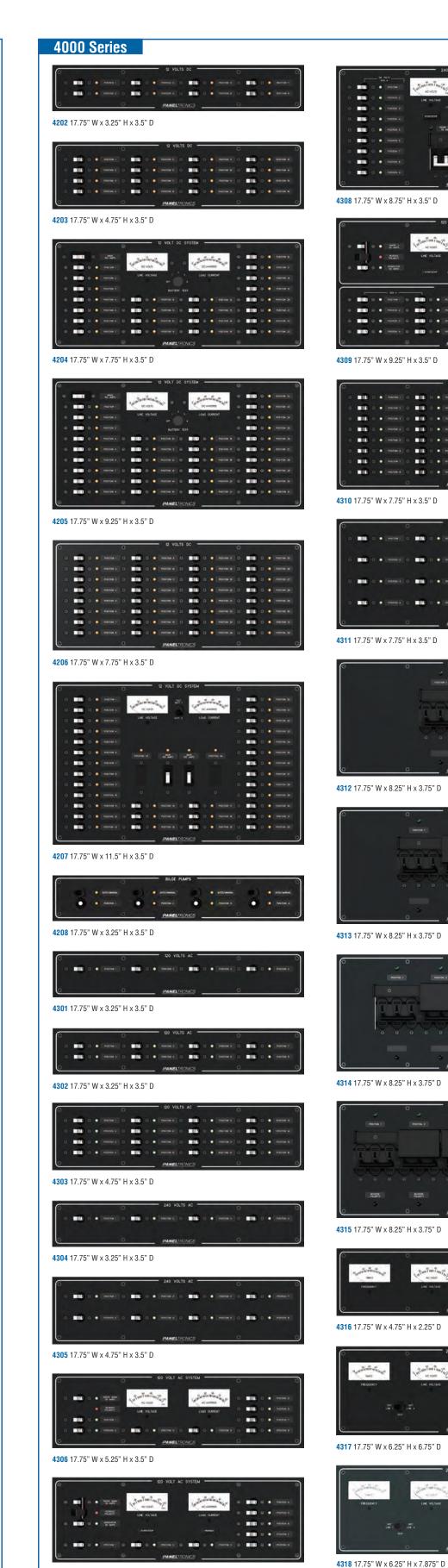


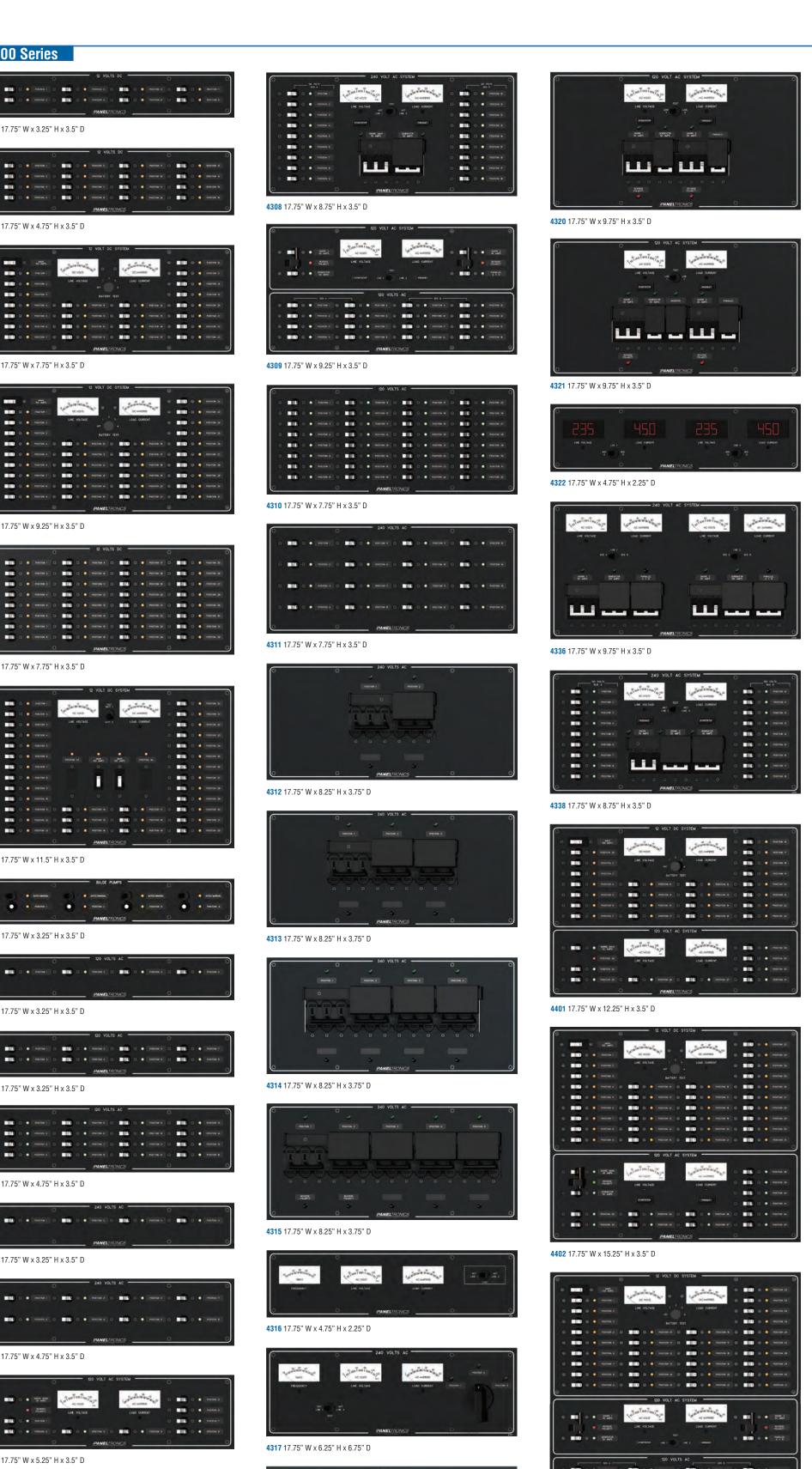


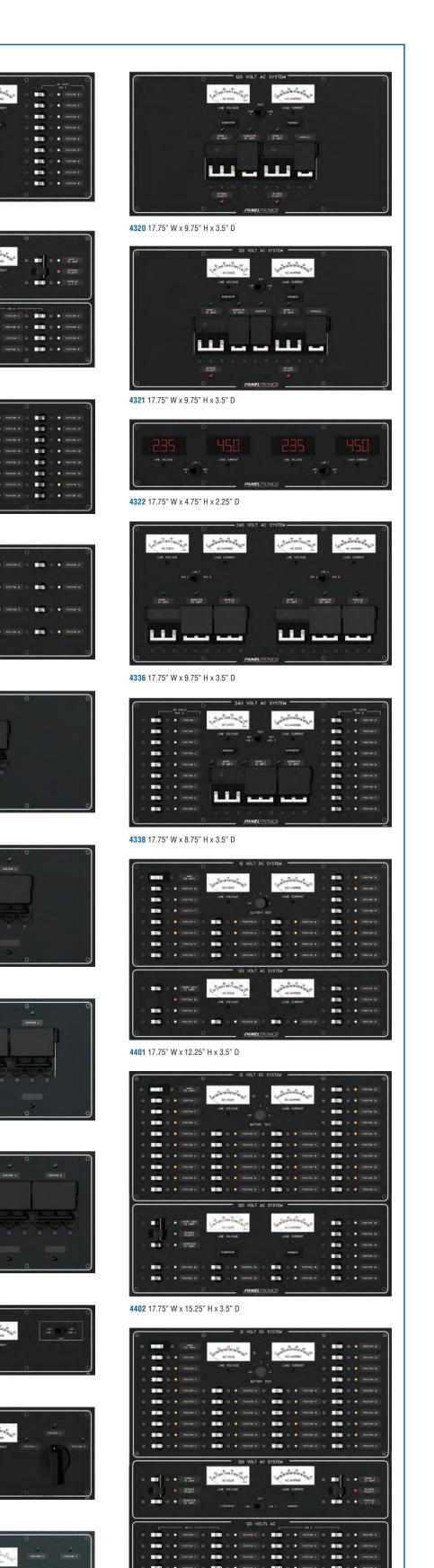


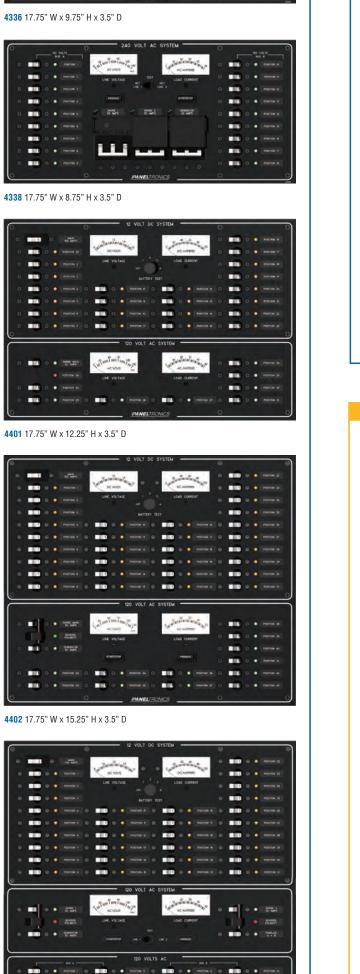




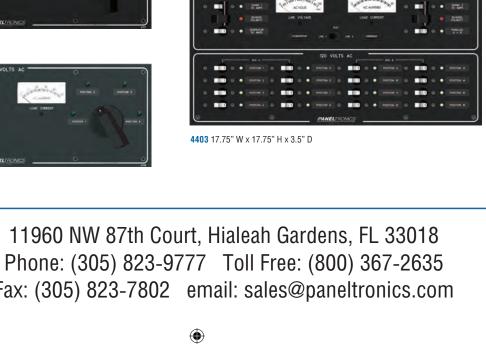


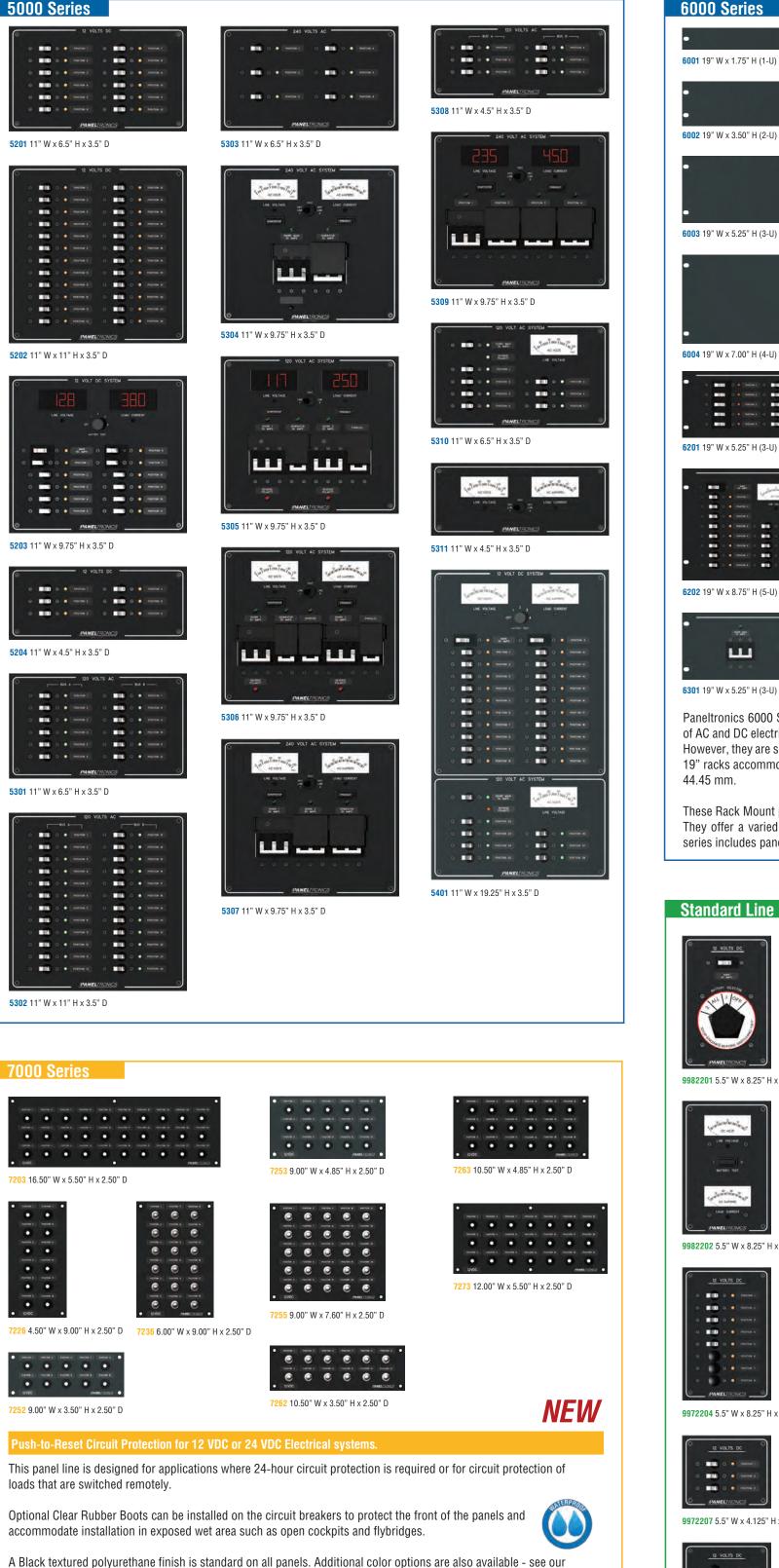


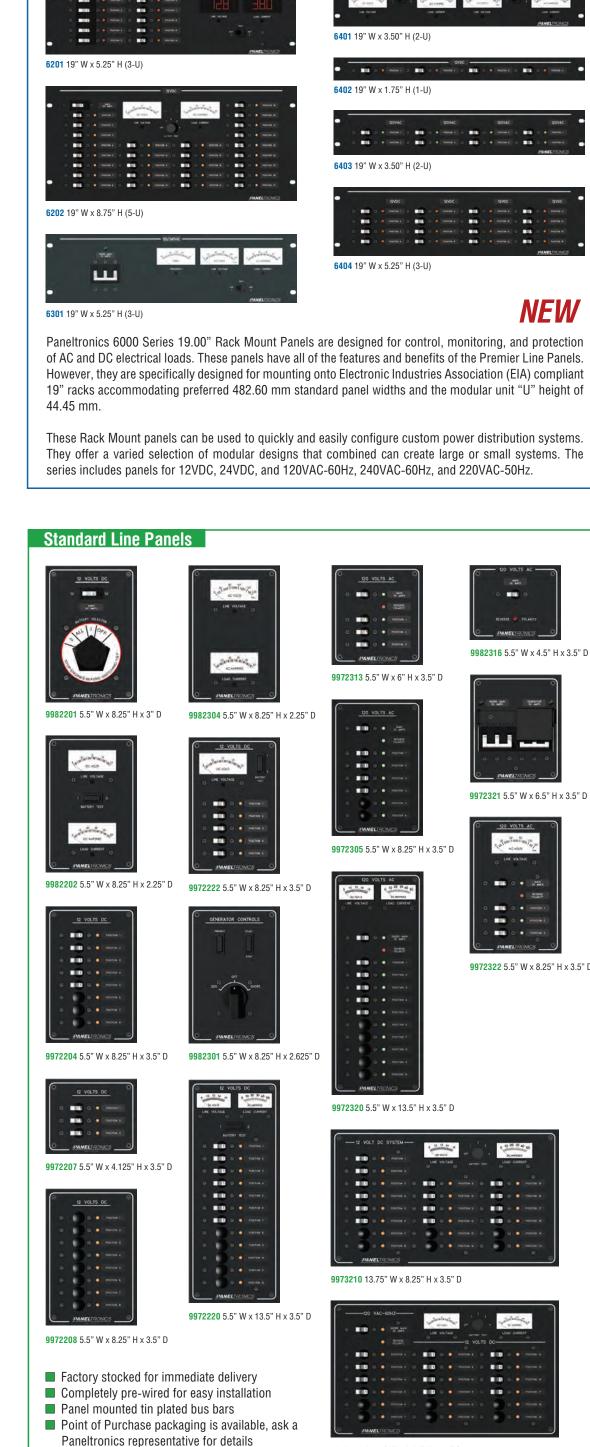












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**4307** 17.75" W x 6" H x 3.5" D



Symbols indicate special features for most panels on this page.



Phone: (305) 823-9777 Toll Free: (800) 367-2635 Fax: (305) 823-7802 email: sales@paneltronics.com Circuit Breakers:

CE marked

Ignition Protected (UL 1500/IS08846)

■ Manuel Reset type (ABYC E-11.10.1.5.6)

■ UL Recognized (UL 1077) and CSA certified

■ Trip Free (ABYC E-11.10.1.5.4)

website www.paneltronics.com

24 Hour Circuit Protection

Custom Loaded to your Specifications

Custom Labeled to your Specifications

Pre-wired with Common Positive Buses for

(5, 10, 15, 20, 25 and 30 Amps)

■ 12 VDC or 24 VDC

faster installation

**9973410** 13.75" W x 8.25" H x 3.5" D

# We manufacture products for:

**Agricultural Equipment** 

**Boats** 

**Broadcast Vehicles** 

Buses

Communication Vehicles

**Construction Equipment** 

**Display & Merchandising Equipment** 

**Emergency Vehicles** 

Fire Trucks

Generators

Golf & Turf Equipment

**Hazmat Vehicles** 

**Material Handlers** 

**Mobile Command Post Vehicles** 

**Motor Coaches** 

Off-Highway Vehicles

**Portable Compressors Specialty Vehicles** 

**Utility Vehicles** 

**Yachts** 

11960 N.W. 87th Court, Hialeah Gardens, FL 33018 Phone: (305) 823-9777 Toll Free: (800)-367-2635 Fax: (305) 823-7802 www.paneltronics.com email: sales@paneltronics.com

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# **Design Guide**

**Circuit Breaker Panels Instrument Panels Box-Build Assemblies Enclosure Assemblies Mounting Frames** Parts & Components



Corrosion Resistant

Polyurethane Finish

with several colors

Color Coded Amber

Durable Epoxy Silk-

Screened Graphics

**Aluminum Construction** 

Countersunk Screw

Mounting Holes

Conveniently

Connectors

Copper Buses

TIN PLATED COPPER

**Deluxe Line** 

Mounted Bus Bar

Minimize Installation Time

1/2" x 1/8" Tin Plated

1/8" Durable

LEDs Facilitate Quick

and finishes to

choose from

Monitoring

**Power Distribution Panels Waterproof Switch Panels** 







# Premier Line

■ A full featured line of High Quality Power Distribution Panels with all the custom and standard features of our Deluxe Line plus a Total Illumination Package.

**Premier & Deluxe Line DC Distribution Panels** 

# Premier and Deluxe Line Features:

- Custom loaded to your specifications ■ Most panels ship within 5 working days.
- Select panels available within 24 hours. ■ 1/8" Corrosion resistant aluminum construction
- Two part polyurethane finish
- High accuracy analog meters are standard. Optional digital meters available

**Customer Information** 

- Largest selection of Circuit Breaker and Power Distribution Panels
- Over 250 Modular Panel Designs for Maximum

Illuminated

Easy-to-Read Analog Meters

(Digital Meters Optional)

Rotary Switch Permits

Monitoring of Multiple

Battery Banks

Select From Over

Rear Illuminated

**Function Labels** 

Circuit Breaker

Amperages are loaded

to meet your custom

**Battery Positive Cable** Easily Connects to

1/4-20 Circuit Breaker

Completely Pre-Wired

Ready for Line and

**Load Connectors** 

requirements \( \bigcap \)

3000 Interchangeable

- installation flexibility ■ Interchangeable, Polycarbonate Function Labels
- (Over 3000 available) Panels are Custom Configured to your specific requirements. Optional colors and finishes are available to match
- every application.
- Free Factory Technical Support

# Flexibility:

- Color coded LED indicators on Premier Line panels
- Backlit labels and meters on Premier Line panels High accuracy analog meters, Optional Digital Meters available ■ Hydraulic/ Magnetic, Trip Free UL Listed and Recognized and CSA Certified Circuit Breakers
- VDE Approved and CE Compliant Circuit Breakers available

# Smart AC Shore Main 120 VOLT AC SYSTEM Illuminated Easy-to-Read Circuit Breaker Trips Automatically upon Analog Meters Sensing Reverse (Digital Meters Optional) Polarity 1/8" Durable Aluminum Color Coded Green Construction LEDs Facilitate Quick Monitoring Convenient Remote Single Source Selector Generator Controls for Sliding Gate Preheat and Start/Stop Hydraulic/Magnetic, Super Bright LED Trip Free, UL Listed or Backlighting Systems Recognized, CSA Certified Marine Circuit Breakers. CE Approved Circuit Breaker are also



- Completely pre-wired for ease of installation Panel mounted Tin Plated Bus Bars
- Panel mounted Bus Connectors
- Detailed Wiring Diagrams for simple and safe installation Optional Hinges for further ease of installation
- Product of choice for Premier Boat Builders worldwide

# **Ground Bus Bars** DC Panel Features:

# Available in 12 VDC, 24 VDC or 32 VDC ■ Tin plated, panel mounted DC Positive, DC Negative, and

- Grounding Bus Bars
- Large Frame DC Mains rated at 5,000 AIC
- Selector Switch permits monitoring of up to 4 Battery Banks ■ High performance DC Ammeter Shunts

RAPID24HRS Select panels available within 24 Hours. Visit www.paneltronics.com

# **AC Panel Features:**

Available in 120 VAC, 240 VAC-60Hz or 220 VAC-50Hz AC Shore Main Circuit Breakers include Reverse Polarity Trip

**Premier & Deluxe Line AC Distribution Panels** 

- Coils that trip automatically upon sensing Reverse Polarity
- Red Warning LED indicates potentially dangerous Reverse Polarity condition
- Tin plated, panel mounted AC Hot, AC Neutral, and Safety
- AC power single source selector sliding gate
- Convenient remote generator controls

# Color Options:

color options:

- Textured black finish is standard on all panels.
- Custom colors and custom logos available. Premier and Deluxe models are also available in the following



Order Form

Family owned and operated since 1979, Paneltronics is an electrical products manufacturing company based in Hialeah Gardens near Miami, FL, USA.

Paneltronics is an industry leader in the design, engineering and manufacturing of high quality power distribution systems, electrical panels, box-build assemblies, instrument panels, enclosures and electrical components. Paneltronics' electrical panels, assemblies, and systems are specified on a wide variety of vessels, vehicles and equipment.

With more than 225 years of combined in-house electrical expertise and long standing relationships with premier OEMs, Paneltronics offers a broad line of superior engineered products and solutions to the marine, transportation and industrial markets. With a commitment to quality products, service and integrity, Paneltronics is a supplier of choice for OEMs worldwide.



High Speed CNC Sheet Metal Punching

# Simplify your installation while adding protection, safety, and enhanced appearance of your electrical system.

Decorative aluminum Mounting Frames eliminate the pressure of making an exact cutout for the panel to fit in and are available in three designs: High Profile, Slim, and Recessed Slim. Recessed and High Profile Frames recess the panel to help prevent accidental turning on or off of circuit breakers. In addition, a smoked or clear Plexiglas door may be installed for added protection of the panel.

All Slim Frames are ideal for smaller areas; the flange is only 7/8". All frames are available in custom sizes to fit your specific customized panel configuration. They may be used to accommodate multiple panel combinations and may also be hinged to allow for easier installation and future service of the electrical system. Designed for the marine environment with durable materials, these frames create an elegant, finished look.

Reduce installation time

Help to prevent accidental turning on or off critical circuits Enhance the panel installation

Conceal bulkhead cutout imperfections Provide the option to add Plexiglas doors

on or off of critical circuits.

Help to prevent accidental turning on or off of critical circuits

**Enclosures** Protecting the electrical connections at the panel can help prevent potential electrical hazards. Paneltronics' enclosures protect the wiring in situations where the back of the panel may be exposed. Terminal blocks and bus bars can also be mounted on the back plate of the enclosure providing a central location for your wiring. Enclosures are available in standard depths, while the widths and heights are custom sized to meet your requirements. Paneltronics' enclosures are designed for the harsh marine environments and constructed of durable, corrosion resistant aluminum.





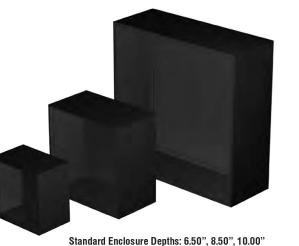
Carried Commence

from June

These attractive doors are available in either a clear or smoked finish and are hinged to conveniently open left or right, up or down. They are factory installed as an option, and in addition to providing a more smooth and finished look, they also help to protect your panel from dust, the environment, and accidental turning

Help to protect panel from dust and accidental access

Enhance appearance



in any part or parts appears within the warranty period, the product must be returned to Paneltronics, Inc. for replacement, repair, or refund. If Paneltronics, Inc. determines that repair cannot be made within a reasonable period of time, it may at its sole discretion, elect to replace the product or refund the purchase price. Any charges for transportation or installation of the original warranted item or its replacement are not covered by this limited warranty. No other person or company is authorized to make repairs under this warranty. Neither does this warranty cover (A) any incidental or consequential expenses to the user resulting from non-function or malfunction of the product or (B) any products which after delivery have been installed, tested, repaired, or altered other than according to Paneltronics' instructions or (C) if, in Paneltronics' reasonable opinion, the item or product has sustained damage by faulty installation or repair, misuse, misapplication, accident or any external force.

Maximum liability shall in any case not exceed the purchase price for the product claimed to be defective.

Paneltronics, Inc. makes no warranty of any sort, expressed or implied, with respect to any product, except as above. Any warranties are limited to the duration of this warranty, and Paneltronics shall not be liable with respect to them or, where allowed by law, for any incidental or consequential damages resulting from defects.

**Order Form** 

Customer Number: \_\_\_\_ Billing Address: \_\_\_\_\_ \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_ \_\_ Fax Number: \_\_\_\_\_ Telephone Number: \_\_\_\_\_ Email Address: \_\_\_\_\_ Type of Business: \_\_\_\_

Payment Method Open Terms Bank Transfer Certified Check Credit Card Order Date: if paying by credit card, please complete the following: Credit Card Type: Visa Master Card American Express Discover Purchase Order Number: Requested Ship Date:

**Premier and Deluxe Line Custom Panel Configurations** Meter Type (if applicable): Analog Digital Other

AC Voltage: 120 VAC - 60Hz 240 VAC - 60 Hz 220 VAC - 50 Hz

AC Panel Options (if applicable) -

DC Panel Options (if applicable) -

For Paneltronics Use Only

DC Voltage: 12 VDC 24 VDC 32 VDC

9960023 7.5" W x 4" H x 3" D

9960014 5.5" W x 4.125" H x 3" D

**9960015** 5.5" W x 8.25" H x 3" D

9960024 9.5" W x 4" H x 3" D

# **Three Year Limited Warranty**

**Waterproof Line Switch Panels with Fuse Protection** 

9960002 4.625" W x 6.375" H x 3" D

**9960005** 4.625" W x 5" H x 3" D

9960007 5.5" W x 6" H x 3" D

9952205 5.5" W x 8.25" H x 3.5" D

9960016 4.625" W x 5" H x 3" D

9960008 5.25" W x 3.75" H x 3" D

9960009 7.5" W x 3.75" H x 3" D

9960010 2.25" W x 4" H x 3" D

Waterproof Line Switch Panels with Circuit Breaker Protection

9960017 4.625" W x 5" H x 3" D

9960018 5.5" W x 6" H x 3" D

9960011 5.25" W x 4" H x 3" D

9960012 7.5" W x 4" H x 3" D

9960013 9.5" W x 4" H x 3" D

9960019 5.5" W x 4.125" H x 3" D

9960020 5.5" W x 8.25" H x 3" D

Paneltronics, Inc., warrants its products to be free from defects in materials and workmanship under normal use for a period of three years from the date of purchase. In the event a defect

Proof of Purchase is required for warranty service.

If you have any questions please feel free to contact us at 1-800-367-2635 

Shore Main Rating: 30 Amp 50 Amp Other: Generator Main Rating: 50 Amp 60 Amp 100 Amp Other: Other: Inverter Main Rating: 15 Amp 20 Amp 30 Amp Other: \_\_\_\_\_ DC Main: 50 Amp 60 Amp 80 Amp 100 Amp Other: \_\_\_\_\_ Hinge Option: Yes No Location: Left Bottom Frame Option: Yes No Frame Type: High Profile Slim Recessed Slim Enclosure Option: Yes No Enclosure Depth: 6.5" 8.5" 10" Plexiglass Door: Yes No Hinge: Left Right Finish: Smoked Clear Enter Function Labels and Circuit Breaker Ratings Below. Please Type or Print Clearly. Company Name POSITION 5 Amp 10 Amp 15 Amp 20 Amp 25 Amp 30 Amp 40 Amp 50 Amp Plug Other This line is for office use only.

Catalog Orders • 11960 N.W. 87th Ct., Hialeah Gardens, Florida 33018 • Fax Local: (305) 823-7802 • Toll Free Fax: (800) 833-7802 Telephone Local: (305) 823-9777 • Telephone Toll Free: (800) 36-PANEL • email: sales@paneltronics.com