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Marina Substations

MSB

Integrated Transformers and Power Distribution Panels for the Marine Environment



Marina Substations

American Midwest Power's Marina Substations are designed to safely and efficiently distribute power in marina and port applications. Constructed to handle the harsh marine and coastal environments, all AMP marina substations are designed for maximum corrosion resistance. Marine grade transformers with epoxy dipped copper coils combined with stainless steel or aluminum enclosures supported by corrosion resistant galvanized internal frames and barriers along with stainless steel hardware provide for maximum corrosion resistance. As with all American Midwest Power products, AMP Marina Substations are manufactured in the USA.

- Single phase or three phase
- U/L listed and labeled
- Corrosion resistant
- Tamper resistant
- Powder coat finish
- Custom Configurations available
- Heavy Duty 12 gauge die formed steel construction
- Stainless steel hardware
- Made in USA

Custom Layout Configurations

Not all docks and marina layouts will accommodate traditional marina substation designs and dimensions. That is why American Midwest Power offers limitless custom layout options so the marina substation can be designed to meet the need of each particular marina. Whether it is a side-by-side arrangement, back-to-back, or multi-panel primary and distribution sections all in one enclosure, AMP can work with you to design a substation solution that functions best in the available space and is also aesthetically pleasing. Contact your AMP sales representative to explore layout options designed to your requirements.



Substation w/ Side-by-Side configuration



AMP Marina Sub Installed - Port of Bellingham, WA

Optional Components

Whether it is standard substation or a custom layout configuration, AMP Marina substations can be outfitted with almost limitless options. The following is a list of the most common. Please contact your AMP sales representative for more information or for inquiries to options not listed.

- Revenue grade sub-metering
- Ground fault protection
- Stainless steel or Aluminum enclosure
- Forced air fan cooling
- Stainless steel base - 3"
- Surge protection
- Sensor or timed lighting control
- Custom powder paint color
- Receptacles
- Surge protection
- Sensor or timed lighting control
- Custom powder paint color

Transformers & Panels			
Typical Combinations			
Single Phase		Three Phase	
Transformer	Panel	Transformer	Panel
50 kVA	200A	45 kVA	100A
75 kVA	300A	75 kVA	200A
100 kVA	400A	112.5 kVA	300A
150 kVA	600A	150 kVA	400A
167.5 kVA	700A	225 kVA	600A
200 kVA	800A	300 kVA	800A
250 kVA	1000A		
330 kVA	1200A		

Construction Features



1. Fully bussed distribution panel
2. Ground bus
3. Heavy duty die formed Stainless steel or Aluminum enclosure
4. 3 point high strength door latches & door rods
5. Continuous stainless steel piano hinges
6. Hinged front for wiring convenience
7. Isolated distribution section w/ barrier
8. Gasketed doors
9. Powder coat paint backed on enamel - custom colors available
10. Louvered ventilated openings
11. Tamper resistant fasteners
12. NEMA 3R Enclosure

Standard configuration - Dead front and covers removed

Construction Features

13. Heavy duty 12 gauge galvanized structural frame members
14. Phase markings - color coded
15. Urethane coating of all factory terminations
16. Copper buss and conductors
17. Transformer - Copper wound
18. Removable external side plates for wiring convenience
19. clear opening in bottom for maximum conduit space
20. Vibration isolation transformer mountings
21. Stainless steel welded base - 3"
22. Lifting provisions - Removable



Transformer compartment

A complete specification for American Midwest Power Marina Substations can be downloaded at our web site: www.ampmfg.com