

GTX™ UNIT SUBSTATION



STANDARD DIMENSIONS: 72"H 45"W 42/46"D

Marina Electrical Equipment's GTX™ Unit Substations are designed and manufactured to maximize cable and installation cost savings through integration of a dry-type isolation transformer and factory-installed secondary panelboard. Constructed of the highest quality powder-coated stainless steel, GTX™ Unit Substations are designed to withstand the harsh, corrosive environments found in marinas and boatyards.



STANDARD FEATURES

- Intertek-ETL Listed, tested in accordance with Underwriters Laboratories-1062 standards, CAN/CSA Standard C22.2 No.31-10 and NFPA 303
- Single Phase dry-type isolation transformers available to 330kVA
- Three Phase dry-type isolation transformers available to 300kVA
- (2) 2.5% FCAN and (2) 2.5% FCBN Primary Taps to compensate for varying incoming voltages
- Transformer and secondary-side distribution panel mounted in single NEMA 3RX stainless steel enclosure with single lockable access door (patent-pending)
- Integrated panelboard sizes up to 1200-ampere main circuit breaker/main lug
- Extra-large wiring access area with removable gland plate for simple cable entry/knockouts
- Stainless steel hardware
- 360-degree "Take-Apart" enclosure construction
- Simple mounting and installation design:
 - Lifting: engineered lifting eyes designed/tested to lift four (4) times unit substation static weight (concealed beneath removable solar shield)
 - Handling/Positioning: front/side fork access
 - Positioning: bottom rolling rails
 - Mounting: 1/2" mounting slots at each corner (concealed behind removable access panels)
- Standard 12" base height, requiring no field-curbng or modifications to comply with 12" datum plane requirements
- White textured powder-coated exterior finish
- Thermostatically controlled axial fans maintain efficient operating temperature
- Fine-stranded, tin-plated copper leads
- Limited 1-Year Warranty

OPTIONAL FEATURES

- Primary Voltages: 480V Single Phase, 480V Delta Three Phase, or 600V Delta Three Phase
- Secondary Voltages: 120/240V Single Phase, 208Y/120V Three Phase, 220Y/127V Three-Phase
- 50 Hz or 60 Hz Frequency
- Primary Disconnect or Panelboard
- Integrated Surge Protective Device (SPD) for supreme surge protection
- Integrated Ground Fault Monitor Relay(s) (GFM) for maximum safety
- Custom Configurations Available
- Dual Phase Isolation Transformers

Typical Panel and Transformer Combinations

Single-Phase Panel Main	Transformer Size
200A	50 kVA
400A	100 kVA
700A	167 kVA
800A	200 kVA
1000A	250 kVA
1200A	330 kVA
Three-Phase Panel Main	Transformer Size
200A	75 kVA
300A	112.5 kVA
400A	150 kVA
600A	225 kVA
800A	300 kVA



Integrated Panelboard



Isolation Transformer & Panelboard



Concealed Lifting Eyes