

Emergency Power Ready Solutions

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What Will Happen When:

- Bad Weather interrupts your power?
- Utility power is unavailable?
- Your Permanent Standby Generator Set won't operate?
- Experienced personnel aren't available to connect the Rental generator set?



APT Can:

- Assist in the evaluation of your facility's power requirements
 - On-site visit
 - One-line diagram evaluations
- Provide one of our many standard solutions quickly and affordably
- Recommend a custom solution, designed to increase the reliability of the power supply of your facility



APT GLQC Solutions

- MF2-Series Generator/Loadbank Quick Connection Switchgear
 - Rating: 2,400V-38,000V, 200 - 1200A
- FS2-Series Generator/Loadbank Quick Connection Switchboard
 - Rating: 208V-480V, 800A - 4000A +
- WM2-Series Generator/Loadbank Quick Connection Tap Box
 - Rating: 208-480V, 400A - 3200A+
- All Series available as Service Entrance or Non-Service Entrance Rated Equipment

What is Service Entrance Equipment

- Service Entrance Equipment is the switchboard/switchgear that connects your facility to the incoming main utility
- Consists of overcurrent protection circuit breakers or fuses and associated devices to protect your facility
- Main utility circuit breaker & facility load transfer can be integrated into your GLQC Switchgear/Switchboard/Tap Box!

Non-Service Entrance Rated Equipment

WM2-Series Generator/Loadbank Quick Connection Tap Box

- UL Listed
- Generator Quick Connection (GQC)
- Loadbank Quick Connection (LQC)
- Wall Mountable
- Ideal for small facilities
- Bottom flip door mechanically interlocked with front door to prevent unauthorized access to receptacles when not in use
- Molded Case Circuit Breaker Design



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ALN: 516P Rev. 01

FS2-Series Generator/Loadbank Quick Connection Switchboard

- UL Listed
- Generator Quick Connection (GQC)
- Loadbank Quick Connection (LQC)
- Generator & Loadbank Quick Connection (GLQC)
- Fully expandable to integrate feeders and permanent generator protection into one unit
- Floor Standing
- Ideal for medium to large facilities
- Insulated Case Circuit Breaker Design
- More wire bending space
- More room makes more space for available options & features



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MF2-Series Generator/Loadbank Quick Connection Switchgear

- Built to Metal Enclosed Switchgear Standards
- Ideal for medium voltage (above 1000V) fed facilities
- Generator/Loadbank Quick Connection (GLQC)
- Dual purpose connectors support Generator or Loadbank Connections
- Floor Standing
- Loadbreak Switch or Circuit Breaker Design



Service Entrance Rated, Manual Load Transfer Equipment

WM2-MT Generator Quick Connection Tap Box

- UL Listed
- Service Entrance Rated
- Generator Quick Connection (GQC)
- Open Transition Manual Transfer
- Replaces the need for an external manual transfer switch (MTS)
- Meets NEC requirements for normal & emergency power source interlocking
- Compact, Wall Mountable
- Ideal for small facilities with up to 1200A main service



FS2-MT Generator/Loadbank Quick Connection Switchboard

- UL Listed
- Supports any combination of Normal, Back-up, & Emergency Sources:
 - Utility Service Entrance Connection
 - Permanent Generator Connection
 - Portable Generator Connection
 - Portable Loadbank Connection
- Available Load Transfer means:
 - Open Transition Manual Transfer
 - Open Transition Automatic Transfer
 - Closed Transition (100ms) Automatic Transfer
- Saves floor space & installation cost by replacing the need for an external manual or automatic transfer switch
- Meets NEC requirements for normal & emergency power source interlocking
- Ideal for medium to large facilities with main services from up to 1600A to 4000A



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MF2-MT Generator/Loadbank Quick Connection Switchgear

- Built to Metal Enclosed Switchgear Standards
- Supports any combination of Normal, Back-up, & Emergency Sources:
 - Utility Service Entrance Connection
 - Permanent Generator Connection
 - Portable Generator Connection
 - Portable Loadbank Connection
- Available Load Transfer means:
 - Open Transition Manual Transfer
 - Open Transition Automatic Transfer
 - Closed Transition (100ms) Automatic Transfer
- Saves floor space & installation cost by replacing the need for an external manual or automatic transfer switch
- Meets NEC requirements for normal & emergency power source interlocking
- Ideal for medium voltage fed facilities



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MF2-MT Generator/Loadbank Quick Connection Switchgear



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Why APT

- Track Record of Excellence working with large facilities
- US Based Field Service Personnel available to be on-site within one business day to the continental US
- Power System Support & Expertise
- Unparalleled Craftsmanship & Quality
- Our Product principles:
 - Safe Designs
 - Simple to Operate
 - Smart Controls
 - Easily Serviced



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Preventative Maintenance

- Cleaning
- Inspection
- Greasing
- Torqueing
- APT Recommends Every Three Years
- Completed by APT or local electrical contractor



What Else Can APT Help With?

- Utility(ies) and Generator(s) Paralleling/Transfer/Peak Shaving/Distribution Switchgear
- Microgrids, Microgrid Master Control Panels, SCADA systems
- Containerized Battery Energy Storage Systems (BESS)
- Photovoltaic (PV) Solar Power Collection/Distribution & Renewable Energy Storage Systems
- Low & High Resistance Grounding Systems, Grounding Systems for Photovoltaic Effective Grounding
- High Efficiency Combined Heat and Power Switchgear & Control Systems (CHP, Co-generation)
- Outdoor Walk-In Electrical Houses (E-Houses) & Skid-Mounted Switchgear
- Motor Control Centers & Motor Control Switchgear
- Automatic & Manual Load Transfer Switchgear
- Bypass/Isolation & Power Distribution Circuit Breaker Switchboards
- Generator/Loadbank Quick Connection Switchgear, Switchboards, & Tap boxes
- Industrial Control Panels

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Alternative “Green” Back-up Power System Options

- Get Smart, Go Green!
- Future ready to keep your facilities the gold standard of your industry
- Microgrids
 - Less dependent on utility power service & diesel generators
- Generate & store your own emergency power
 - APT BrightPwr Solar System
 - APT EnerStore Battery Energy Storage System



Summary

- APT have the unique ability to meet small & large needs
- Generator Quick Connection Solutions for every facility scenario
- Expansive switchgear and control systems capabilities for the whole facility
- Microgrids & Green Technologies



Thank You!

For more information on our Products & Services

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