

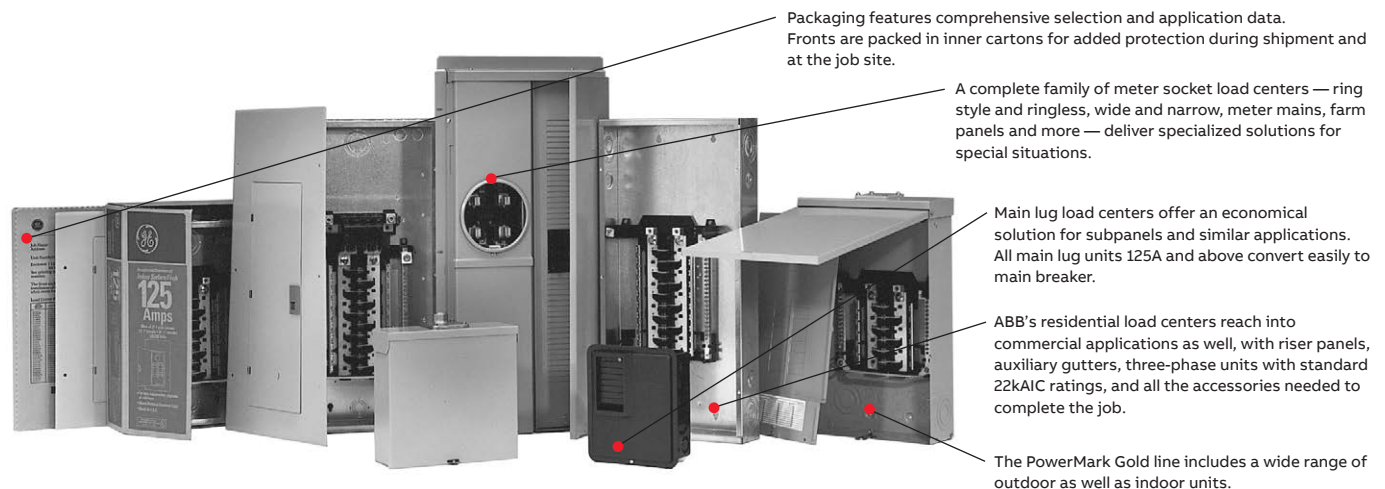
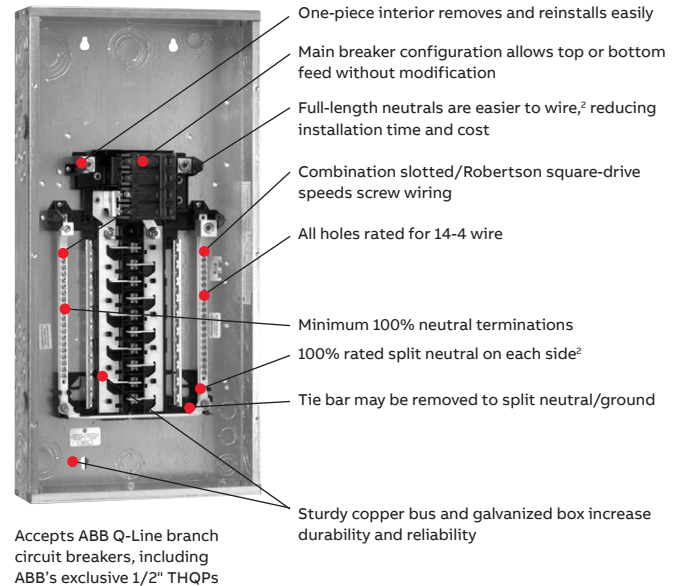
## PowerMark Gold Load Centers

### Highest Quality and Convenience

PowerMark Gold load centers lower your costs by making installation faster and easier, increasing application flexibility and reducing inventory requirements. At the same time, they deliver obvious and significant advances in design, function and quality.

- UL Listed (Panelboards No. 67)
- Service Barriers included for factory installed main circuit breaker and main circuit breaker kits (required to meet UL67 for service entrance applications)
- Suitable for Use as Service Entrance Equipment when installed in accordance with National Electrical Code
- 60°C/75°C Conductor Rating
- Single phase, 40-225A, 2-42 circuits
- Main lug models field convertible to main breaker
- Main breaker 22kAIC standard - factory installed
- All load centers top or bottom feed
- Indoor and outdoor rated enclosures
- Indoor fronts combination surface/flush
- Copper bus with tin plating standard<sup>1</sup>
- Split neutrals extend the full length of the interior for ease of wiring
- Entire main lug line converts easily to main breaker
- Combination surface/flush front with spring-reinforced pan
- Combination slotted/Robertson square-drive screws on neutral,<sup>2</sup> ground, front and breaker lugs
- Front packed in inner carton for added protection

- Field installable feed-through lugs up to 200A
- Straight-through main wiring
- Main breaker is clearly marked and circuit numbers are stamped on front
- Isolated ground bar is available
- Compact box maintains optimum wire-bending space



#### Accessories and Options

- Door lock and handle
- Equipment ground kits
- Sub-feed and feed-thru lugs
- Front filler plates
- Handle lock and ties
- Hardware kits
- Main breaker retainers
- Neutral kits
- Universal raintight hubs

#### Safety accessories – convenient and easy to install

- THQLSURGE whole house surge protector
- Arc fault circuit interrupter breaker, 1- or 2-pole
- Ground fault circuit interrupter breaker, 5mA and 30mA
- Generator transfer panel – 30A or 60A, indoor or outdoor
- ABB AC disconnects
- Service Barrier Kits

<sup>1</sup> Three-phase PowerMark Plus load centers have aluminum bus with copper breaker mounting stabs.

<sup>2</sup> 16 circuit and above.

## PowerMark Gold and Plus Load Centers

### Product Number Guides

#### Product Number Guide for Load Centers

(Product number for illustrative purposes only)

| T                                      | M | 42 | 4 | 20 | C | CU | B                                                                                                |
|----------------------------------------|---|----|---|----|---|----|--------------------------------------------------------------------------------------------------|
| ABB Identification                     |   |    |   |    |   |    | Insert for Specials                                                                              |
|                                        |   |    |   |    |   |    | G or T = Factory installed ground bar                                                            |
|                                        |   |    |   |    |   |    | B = Bottom feed main breaker                                                                     |
|                                        |   |    |   |    |   |    | FL = Factory installed feed-through lugs                                                         |
|                                        |   |    |   |    |   |    | D = Optional door for 6-8 circuit panel.<br>(Doors standard on all units 12 circuits or greater) |
|                                        |   |    |   |    |   |    | W = White Front                                                                                  |
| Type                                   |   |    |   |    |   |    | Insert for PowerMark Gold                                                                        |
| M = Main breaker                       |   |    |   |    |   |    | CU = Copper Bus                                                                                  |
| L = Main lug                           |   |    |   |    |   |    | 42 = Copper Bus Full 42 circuit panel                                                            |
| LM = Convertible                       |   |    |   |    |   |    |                                                                                                  |
| PL = Main lug (Thermoplastic)          |   |    |   |    |   |    |                                                                                                  |
| Maximum Number 1" Spaces               |   |    |   |    |   |    |                                                                                                  |
| 2, 4, 6...42                           |   |    |   |    |   |    |                                                                                                  |
| Insert for 3-Phase 4-Wire Load Centers |   |    |   |    |   |    |                                                                                                  |
|                                        |   |    |   |    |   |    | Enclosure Type                                                                                   |
|                                        |   |    |   |    |   |    | C = Combination surface/flush                                                                    |
|                                        |   |    |   |    |   |    | F = Flush                                                                                        |
|                                        |   |    |   |    |   |    | S = Surface                                                                                      |
|                                        |   |    |   |    |   |    | R = Outdoor                                                                                      |
|                                        |   |    |   |    |   |    | Bus Ampere Rating                                                                                |
|                                        |   |    |   |    |   |    | 40 = 40 Amps      20 = 200 Amps                                                                  |
|                                        |   |    |   |    |   |    | 70 = 70 Amps      22 = 225 Amps                                                                  |
|                                        |   |    |   |    |   |    | 10 = 100 Amps                                                                                    |
|                                        |   |    |   |    |   |    | 12 = 125 Amps                                                                                    |
|                                        |   |    |   |    |   |    | 15 = 150 Amps                                                                                    |

#### Product Number Guide for Q-Line Plug-in Circuit Breakers

(Product number for illustrative purposes only)

| T                   | H | QL | 1 | 1* | 15 | GFTS                                                                                         |
|---------------------|---|----|---|----|----|----------------------------------------------------------------------------------------------|
| ABB Identification  |   |    |   |    |    | Ground Fault/Arc Fault Circuit Interrupter                                                   |
|                     |   |    |   |    |    | AF2 = 1- & 2-pole Combination Arc Fault Circuit Interrupter                                  |
|                     |   |    |   |    |    | GFEP = 1- & 2-pole Ground Fault with Equipment Protection Interrupter-30 mA                  |
|                     |   |    |   |    |    | GFT = 1- & 2-pole Ground Fault with Self-Test Feature Interrupter - 5 mA                     |
|                     |   |    |   |    |    | DF = 1-pole Dual Function GFCI/AFCI Ground Fault & Combination Arc Fault Circuit Interrupter |
|                     |   |    |   |    |    | S = Short pig tail                                                                           |
| Interrupting Rating |   |    |   |    |    | Ampere Rating                                                                                |
| H = 10kAIC          |   |    |   |    |    |                                                                                              |
| HH = 22kAIC         |   |    |   |    |    |                                                                                              |
| X = 65kAIC          |   |    |   |    |    |                                                                                              |
| Type                |   |    |   |    |    | Voltage                                                                                      |
| QL = 1" plug-in     |   |    |   |    |    | 1 = 120/240V                                                                                 |
| QP = 1/2" plug-in   |   |    |   |    |    | 2 = 240V                                                                                     |
| QB = 1" bolt-on     |   |    |   |    |    |                                                                                              |
| Poles (1, 2, 3)     |   |    |   |    |    |                                                                                              |

\*Omit character for THQP breakers, which are all 120/240V.

## PowerMark Gold Load Centers

Single-Phase, Three-Wire, 120/240 Vac

Load Center  
Generator Panels  
Riser Panels  
Spa Panels

### Product Features - Generator Panels

- Suitable for use in accordance with Article 702 of the National Electrical Code, ANSI/NFPA 70
- Single-phase, 2 interlock 60A or 30A main breakers, 8 circuits max.
- Safety and convenience when using a generator - 14,000 peak wattage, 11,520 continuous load, 48 amps at 240 volts.
- Maintains power to such critical circuits as those for furnace, pump, refrigerator, lights.
- Connected dual breaker mechanism ensures that only one source is active at a time.



TL412R250GF



TM830FCUGEN

#### Generator Panels, Two Interlocked Main Breakers Factory Installed Indoor (NEMA 1) Enclosure

| Main<br>Ampere<br>Rating | 1 Pole,<br>1"<br>Spaces | 2 Pole,<br>1"<br>Spaces | 1 Pole,<br>1/2"<br>Spaces | 2 Pole,<br>1/2"<br>Spaces | Total<br>1-pole<br>Spaces | Front<br>Type | Feed<br>Type  | Box<br>Number | Main Wire Size<br>(AWG/kcmil) Cu-Al | Equipment<br>Ground Kit | Product<br>Number |
|--------------------------|-------------------------|-------------------------|---------------------------|---------------------------|---------------------------|---------------|---------------|---------------|-------------------------------------|-------------------------|-------------------|
| 30                       | 4                       | 2                       | 8                         | 4                         | 8                         | Flush Front   | Top<br>Bottom | 3A            | 6-1                                 | TGK12 included          | TM830FCUGEN       |
| 30                       | 4                       | 2                       | 8                         | 4                         | 8                         | Surface Front | Top<br>Bottom | 3A            | 6-1                                 | TGK12 included          | TM830SCUGEN       |
| 60                       | 4                       | 2                       | 8                         | 4                         | 8                         | Flush Front   | Top<br>Bottom | 3A            | 6-1                                 | TGK12 included          | TM860FCUGEN       |
| 60                       | 4                       | 2                       | 8                         | 4                         | 8                         | Surface Front | Top<br>Bottom | 3A            | 6-1                                 | TGK12 included          | TM860SCUGEN       |

#### Generator Panels, Two Interlocked Main Breakers Factory Installed Outdoor (NEMA 3R) Enclosure

| Main<br>Ampere<br>Rating | 1 Pole,<br>1"<br>Spaces | 2 Pole,<br>1"<br>Spaces | 1 Pole,<br>1/2"<br>Spaces | 2 Pole,<br>1/2"<br>Spaces | Total<br>1-pole<br>Spaces | Feed<br>Type | Box<br>Number | Main Wire Size<br>(AWG/kcmil) Cu-Al | Equipment<br>Ground Kit | Product<br>Number |
|--------------------------|-------------------------|-------------------------|---------------------------|---------------------------|---------------------------|--------------|---------------|-------------------------------------|-------------------------|-------------------|
| 30                       | 4                       | 2                       | 8                         | 4                         | 8                         | Top          | R2A           | 6-1                                 | TGK12 included          | TM830RCUGEN       |
| 60                       | 4                       | 2                       | 8                         | 4                         | 8                         | Top          | R2A           | 6-1                                 | TGK12 included          | TM860RCUGEN       |

#### Riser Panels

##### Indoor (NEMA 1) Enclosure

| Main<br>Ampere<br>Rating | 1 Pole,<br>1"<br>Spaces | 2 Pole,<br>1"<br>Spaces | 1 Pole,<br>1/2"<br>Spaces | 2 Pole,<br>1/2"<br>Spaces | Total<br>1-pole<br>Spaces | Front<br>Type                      | Feed<br>Type | Box<br>Number | Main Wire Size<br>(AWG/kcmil) Cu-Al | Equipment<br>Ground Kit  | Product<br>Number |
|--------------------------|-------------------------|-------------------------|---------------------------|---------------------------|---------------------------|------------------------------------|--------------|---------------|-------------------------------------|--------------------------|-------------------|
| 125                      | 20                      | 10                      | 40                        | 20                        | 40                        | Combination<br>Flush/Surface Front | Top          | 9A            | 6-2/0                               | TGK12 (order separately) | TLM2012CCURP      |
| 125                      | 12                      | 6                       | 24                        | 10                        | 24                        | Combination<br>Flush/Surface Front | Top          | 4A            | 6-2/0                               | TGK12 (order separately) | TLM1212CCURP      |

Tap kits required, order separately. See page 1-32.

Auxiliary gutters available. See page 1-32.

#### Spa Panels

##### Outdoor (NEMA 3R) Enclosure

| Main<br>Ampere<br>Rating | 1 Pole,<br>1"<br>Spaces | 2 Pole,<br>1"<br>Spaces | 1 Pole,<br>1/2"<br>Spaces | 2 Pole,<br>1/2"<br>Spaces | Total<br>1-pole<br>Spaces | Load Center<br>Type             | Feed<br>Type  | Box<br>Number | Main Wire Size<br>(AWG/kcmil) Cu-Al | Equipment<br>Ground Kit | Product<br>Number |
|--------------------------|-------------------------|-------------------------|---------------------------|---------------------------|---------------------------|---------------------------------|---------------|---------------|-------------------------------------|-------------------------|-------------------|
| 125                      | 4                       | 2                       | 8                         | 4                         | 8                         | Factory<br>Included<br>50A GFCI | Top<br>Bottom | -             | 1-2/0                               | TGL1 installed          | TL412R250GF       |
| 125                      | 4                       | 2                       | 8                         | 4                         | 8                         | Factory<br>Included<br>60A GFCI | Top<br>Bottom | -             | 1-2/0                               | TGL1 installed          | TL412R260GF       |

#### Twist Lock Power Inlets

| Receptacles | Amps | Volts   | UL         | Product Number |
|-------------|------|---------|------------|----------------|
| L14-20      | 20   | 120/240 | Canada, US | T020N          |
| L14-30      | 30   | 120/240 | Canada, US | T030N          |
| CS637       | 50   | 120/240 | Canada, US | T050N          |