

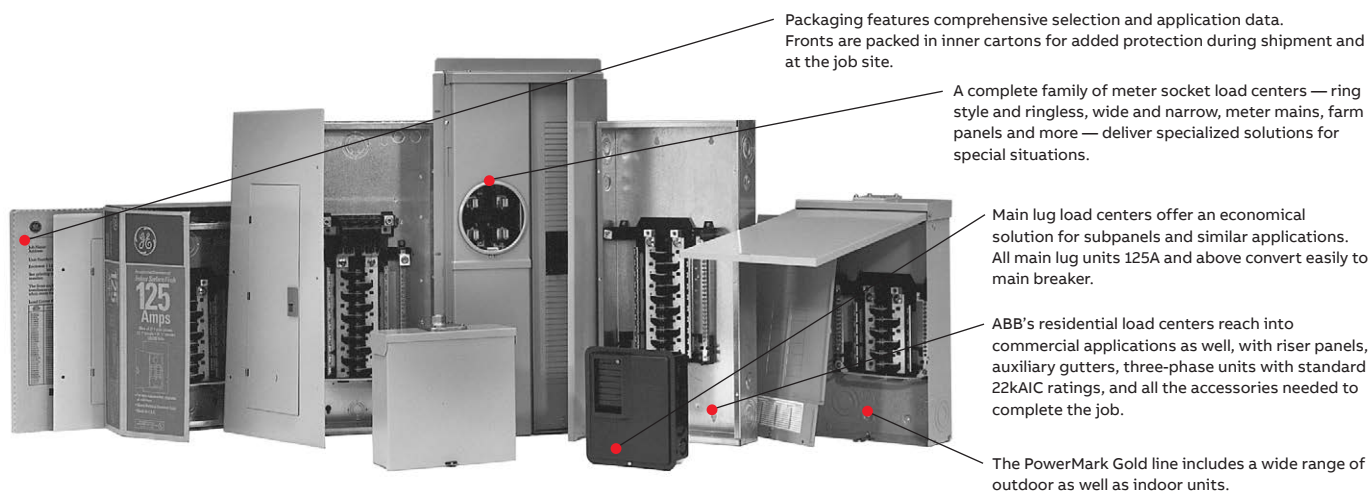
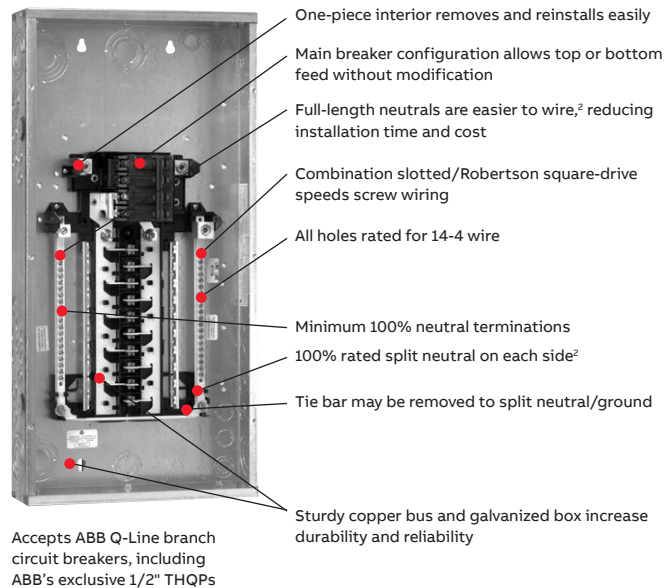
## PowerMark Gold Load Centers

### 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
Type	M = Main breaker L = Main lug LM = Convertible PL = Main lug (Thermoplastic)								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. (Doors standard on all units 12 circuits or greater) W = White Front
Maximum Number 1" Spaces	2, 4, 6...42								Insert for PowerMark Gold CU = Copper Bus 42 = Copper Bus Full 42 circuit panel
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
Interrupting Rating	H = 10kAIC HH = 22kAIC X = 65kAIC							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
Type	QL = 1" plug-in QP = 1/2" plug-in QB = 1" bolt-on							Ampere Rating
Poles (1, 2, 3)								Voltage 1 = 120/240V 2 = 240V

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

## PowerMark Gold and Plus Load Centers

Single-Phase, Three-Wire, 120/240 Vac  
Main Lugs Convertible to Main Breaker

Load Center  
1PH  
Main Lug  
Outdoor NEMA 3R

### Main Lugs Factory Installed (TLM units convertible to main breaker), Outdoor (NEMA 3R) Enclosure<sup>1</sup>

Main Ampere Rating	1 Pole, 1" Spaces	2 Pole, 1" Spaces	1 Pole, 1/2" Spaces	2 Pole, 1/2" Spaces	Total 1-pole Spaces	Front Type	Feed <sup>1</sup> Type <sup>1</sup>	Box Number	Main Wire Size (AWG/kcmil) Cu-Al	Equipment Ground Kit	Product Number
40	2	1	4	1	4	-	Top	R1A	14-4	TGK4 (order separately)	TL240RCU
70	2	1	4	1	4	-	Top	R1A	6-3	TGK4 (order separately)	TL270RCU
100	5	0	0	0	5	Flush	Top	R41	6-3	TGL1 installed	TL510RT <sup>2,8</sup>
125	4	2	8	3	8	-	Top	R1A	1-2/0	TGL1 (order separately)	TL412R1 <sup>2</sup>
125	4	2	8	3	8	-	Top	R1A	1-2/0	TGL1 installed	TL412RT1 <sup>2</sup>
125	4	2	8	3	8	-	Top	R41	1-2/0	TGL1 (order separately)	TL412R2 <sup>2</sup>
125	4	2	8	3	8	Thermoplastic Front	Top	R1	1-2/0	TGL1 (order separately)	TPL412R <sup>2,3</sup>
125	4	2	8	3	8	Thermoplastic Front	Top	R1	1-2/0	TGL1 installed	TPL412RT <sup>2,3</sup>
125	6	2	12	4	12	-	Top	R2A	6-1	TGL2 (order separately)	TLM612RCU <sup>4</sup>
125	8	4	16	8	16	-	Top	R2A	6-1	TGL2 (order separately)	TLM812RCU <sup>4</sup>
125	8	4	16	8	16	-	Top	R3A	6-1	TGL2 (order separately)	TLM812RCU2 <sup>5</sup>
125	14	6	20	8	24	-	Top	R3A	6-2/0	Included	TLM1212RCU <sup>7,9</sup>
125	24	12	0	0	24	-	Top Bottom	R4A	6-2/0	TGK24 or TGK32 (order separately)	TLM2412RCU <sup>5</sup>
150	24	12	12	4	30	-	Top Bottom	R6A	1-3/0 (Cu), 2/0-3/0 (Al)	TGK24 or TGK32 (order separately)	TLM2415RCU <sup>6</sup>
200	12	6	24	10	24	-	Top	R5A	6-250	TGK24 (order separately)	TLM1220RCU <sup>6</sup>
200	16	8	32	14	32	-	Top	R5A	6-250	TGK32 (order separately)	TLM1620RCU <sup>6</sup>
200	20	10	40	18	40	-	Top	R6A	6-250	TGK24 or TGK42 (order separately)	TLM2020RCU <sup>6</sup>
200	24	12	36	18	42	-	Top Bottom	R39	1-250 (Cu), 2/0-250 (Al)	TGK24 (order separately)	TLM2420R4 <sup>2</sup>
200	32	16	16	6	40	-	Top Bottom	R7A	1-250 (Cu), 2/0-250 (Al)	TGK32 (order separately)	TLM3220RCU <sup>6</sup>
200	40	20	0	0	40	-	Top Bottom	R8A	6-250	TGK42 (order separately)	TLM4020RCU <sup>6</sup>
225	42	20	0	0	42	-	Top Bottom	R8A	1-300 (Cu), 2/0-300 (Al)	TGK42 (order separately)	TLM4222RCU <sup>6</sup>

<sup>1</sup> 40-225 amp single-phase devices have removable closing caps. Larger ampere devices require field-cut openings. Order hubs separately. See page 1-29.

<sup>2</sup> 10 kAIC.

<sup>3</sup> 125 amp maximum branch capacity.

<sup>4</sup> For main breaker, order THQLRK2 retainer kit plus 2-pole circuit breaker. See page 1-30, 100 amp maximum due to wire bending requirements.

<sup>5</sup> For main breaker, order TQMH000. See page 1-26. Also order 2-pole THQL or THHQL circuit breaker. See page 1-7.

<sup>6</sup> For main breaker, order THQMVXXXD circuit breaker from page 1-8.

<sup>7</sup> For main breaker applications, use reverse feed THQL or THHQL circuit breaker (see page 1-7) and THQLRK3 breaker retainer (see page 1-30).

<sup>8</sup> Main and branch breakers are limited to 70 amps.

<sup>9</sup> Load center includes a factory installed ground bar and add-a-lug. See wiring diagram on page 1-33. A separate TGL2 can be added in the unlikely event that another ground bar is required.

**Note:** See page 11-4, AL Series Lighting Panelboards as replacements for 300-600A load centers.