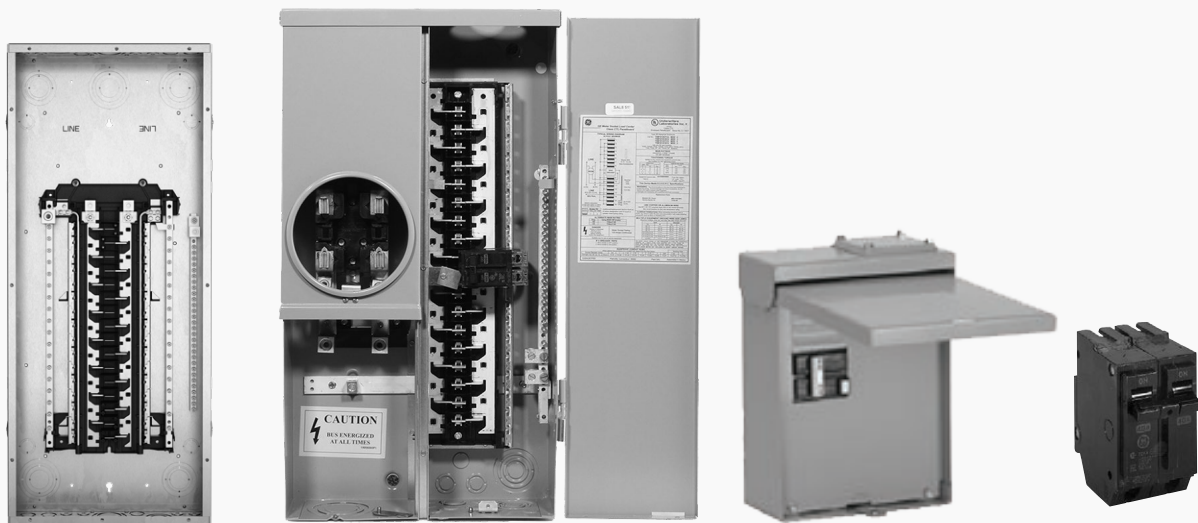


BUYLOG SECTION 1

# Load centers, associated circuit breakers, and accessories





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## Overview



Brand name		PowerMark Pro single phase	PowerMark Gold single phase	PowerMark Gold meter socket load centers	PowerMark Plus three phase
Application		Residential	Residential	Residential	Commercial
Phase, wires		Single phase, 3-wire	Single phase, 3-wire	Single phase, 3-wire	Three phase, 4-wire
Voltage		120/240 V AC	120/240 V AC	120/240 V AC	208Y/120 V AC
Circuit count, single pole 1" spaces		Up to 60	Up to 42 spaces/80 circuits <sup>1</sup>	Up to 40	Up to 42
Mains type	Main lug	-	•	•	•
	Main lug convertible	•	•	-	-
	Main breaker	•	•	•	•
Amperage		Up to 225 A	Up to 225 A	Up to 400 A	Up to 225 A
Enclosure rating	Indoor NEMA 1	•	•	-	•
	Outdoor NEMA 3R	•	•	•	•
Certification		UL67	UL67	UL67	UL67
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### Circuit breakers and accessories

#### Circuit breakers

Q-line plug-in circuit breakers, UL489	Standard thermal magnetic	•	•	•	•
	Plug-on neutral	•	-	-	-
	Short pigtail electronic	•	•	-	-
	Long pigtail electronic	•	•	•	•
Arc Fault Circuit Interrupter (AFCI), UL1699		•	•	•	•
Dual function (DFCI/AFCI) ground fault & combination arc fault circuit breaker		•	•	•	•
Ground Fault with self-test feature circuit breaker, UL943 ed5 (5ma)		•	•	•	•
Ground fault with equipment protection, UL 943 (30 ma)		•	•	•	•
Switching neutral circuit breakers		•	•	•	•
"HID" Lighting circuit breakers		•	•	•	•
High magnetic circuit breakers		•	•	•	•
Molded case switches		•	•	•	•
THQL circuit breakers with factory installed shunt trip		•	•	•	•
THQL circuit breakers, internal common trip with factory installed shunt trip		•	•	•	•

#### Circuit breaker accessories

Main circuit breaker kits	•	•	-	-
Main breaker retainer kits	•	•	-	•
Handle lock - padlocking	•	•	•	•
Handle lock - non-padlocking	•	•	•	•
Handle ties	•	•	•	•

#### Load center field accessories

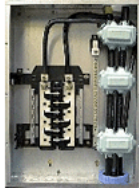
Auxiliary gutter enclosures	•	•	-	-
Gutter tap kits	•	•	-	-
Equipment ground	•	•	•	•
Neutral kits	•	•	•	•
Isolated ground bus bars equipment ground kit	•	•	•	•
Sub-feed, feed through, and main lug kits	•	•	•	•
Door lock	•	•	•	•
Circuit directory	•	•	•	•
Touch-up paint	•	•	•	•
Front filler plates	•	•	•	•
Universal raintight hubs	•	•	•	•
Door handle	•	•	•	•
Cross arm	-	-	-	-
Service barrier kits	•	•	•	•
Load center hardware kits	•	•	•	•
Generator interlock kit	•	•	•	-
Meter socket load center flange kits	-	-	•	-
Surge protectors	•	•	•	•

NOTE: Options and accessories shown are not available for all products. Reference BuyLog pages for details.

• Applicable

<sup>1</sup> When utilizing 1/2" circuit breakers

- N/A



Brand name		PowerMark Gold riser panels	PowerMark Gold generator panels	PowerMark Gold pool and spa
Application		Residential/Commerical	Back-up Power	Pool and Spa
Phase, wires		Single phase, 3-wire	Single phase, 3-wire	Single phase, 3-wire
Voltage		120/240 V AC	120/240 V AC	120/240 V AC
Circuit count, single pole 1" spaces		Up to 42	Up to 4/8 <sup>1</sup>	Up to 4/8 <sup>1</sup>
Mains type	Main lug	-	-	•
	Main lug convertible	•	-	-
	Main breaker	-	•	-
Amperage		Up to 200 A	Up to 60 A	Up to 60 A
Factory installed circuit breaker(s)		-	Two inter-locked main circuit breakers	2-pole ground fault circuit breaker
Enclosure rating	Indoor NEMA 1	•	-	-
	Outdoor NEMA 3R	-	•	•
Certification		UL67	UL67 Article 702 NEC, ANSI/NFPA 70	UL67
Starting page		1-37	1-35	1-39

**Circuit breakers and accessories**

**Circuit breakers**

Q-line plug-in circuit breakers, UL489	Standard thermal magnetic	•	•	•
	Short pigtail electronic	•	-	-
	Long pigtail electronic	•	•	•
Arc Fault Circuit Interrupter (AFCI), UL1699		•	•	•
Dual function (DFCI/AFCI) ground fault & combination arc fault circuit breaker		•	•	•
Ground Fault with self-test feature circuit breaker, UL943 ed5 (5ma)		•	•	•
Ground fault with equipment protection, UL 943 (30 ma)		•	•	•
Switching neutral circuit breakers		•	•	•
"HID" Lighting circuit breakers		•	•	•
High magnetic circuit breakers		•	•	•
Molded case switches		•	•	•
THQL circuit breakers with factory installed shunt trip		•	•	•
THQL circuit breakers, internal common trip with factory installed shunt trip		•	•	•

**Circuit breaker accessories**

Interlocking circuit breakers	-	•	-
Main circuit breaker kits	•	-	-
Main breaker retainer kits	•	-	-
Handle lock - padlocking	•	•	•
Handle lock - non-padlocking	•	•	•
Handle ties	•	•	•

**Load center field accessories**

Gutter tap kits	•	-	-
Equipment ground	•	•	•
Neutral kits	•	•	•
Isolated ground bus bars equipment ground kit	•	•	•
Sub-feed, feed through, and main lug kits	•	•	•
Door lock	•	•	•
Circuit directory	•	•	•
Touch-up paint	•	•	•
Front filler plates	•	•	•
Universal raintight hubs	-	•	•
Door handle	•	•	•
Cross arm	•	-	-
Service barrier kits	•	-	-
Load center hardware kits	•	•	•
Surge protectors	•	•	•

NOTE: Options and accessories shown are not available for all products. Reference BuyLog pages for details.

• Applicable  
- N/A

<sup>1</sup> When utilizing 1/2" circuit breakers

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## PowerMark PRO load centers

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## PowerMark PRO load centers

### Product overview

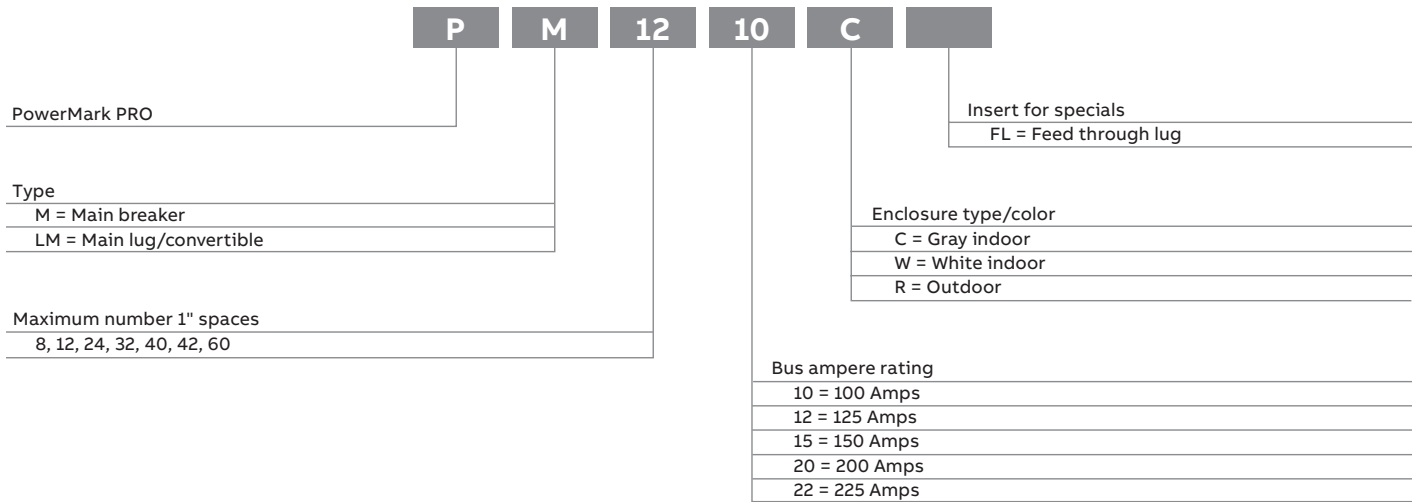


With advanced plug-on neutral electronic circuit breakers that attach to the neutral bus using ABB's unique ReliaLock™ connection feature and round plug-on neutral bars, PowerMark PRO's features enable you to perform faster and more efficient circuit breaker installations.

#### Features

- UL listed (Panelboards No. 67)
- Single-phase, three-wire, 120/240 V AC
- 60°C/75°C conductor rating
- Suitable for use as Service Entrance Equipment when installed in accordance with National Electrical Code
- 22kAIC RMS symmetrical, except where noted

### Ordering code construction



## PowerMark PRO load centers

### Main lug, factory installed, indoor (NEMA 1) enclosure, top/bottom feed<sup>1</sup>

Main ampere rating	1 pole, 1" spaces	2 pole, 1" spaces	Total 1-pole spaces	Front type	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit	Ordering code
125	12	6	12	Combination	6-2/0	TGK12 and TNLK20 installed	PLM1212C
	24	12	24	Combination	6-2/0	TGK 24 and TNLK20 installed	PLM2412C
	32	16	32	Combination	6-2/0	TGK32 and TNLK20 installed	PLM3212C
200	32	16	32	Combination	6-250	TGK32 and TNLK20 installed	PLM3220C
	40	20	40	Combination	6-250	TGK42 and TNLK20 installed	PLM4020C
225	42	20	42	Combination	1-300	TGK42 and TNLK20 installed	PLM4222C

<sup>1</sup>PLM indicates units are convertible to main breaker

### Main lug, factory installed, indoor (NEMA 1) enclosure, top/bottom feed, white trim<sup>1</sup>

Main ampere rating	1 pole, 1" spaces	2 pole, 1" spaces	Total 1-pole spaces	Front type	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit	Ordering code
125	12	6	12	Combination	6-2/0	TGK12 and TNLK20 installed	PLM1212W
	24	12	24	Combination	6-2/0	TGK 24 and TNLK20 installed	PLM2412W
	32	16	32	Combination	6-2/0	TGK32 and TNLK20 installed	PLM3212W
200	32	16	32	Combination	6-250	TGK32 and TNLK20 installed	PLM3220W
	40	20	40	Combination	6-250	TGK42 and TNLK20 installed	PLM4020W
225	42	20	42	Combination	1-300	TGK42 and TNLK20 installed	PLM4222W

<sup>1</sup>PLM indicates units are convertible to main breaker

### Main lug, factory installed, outdoor (NEMA 3R) enclosure, top/bottom feed<sup>1</sup>

Main ampere rating	1 pole, 1" spaces	2 pole, 1" spaces	Total 1-pole spaces	Front type	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit	Ordering code
125	24	12	24	-	6-2/0	TGK24 and TNLK20 installed	PLM2412R
200	32	16	32	-	6-250	TGK32 and TNLK20 installed	PLM3220R
	40	20	40	-	6-250	TGK42 and TNLK20 installed	PLM4020R

<sup>1</sup>PLM indicates units are convertible to main breaker

NOTE: Circuit breakers must be ordered separately. [Click here.](#)



## PowerMark PRO load centers

### Main breaker, factory installed, indoor (NEMA 1) enclosure, top/bottom feed

Main ampere rating	1 pole, 1" spaces	2 pole, 1" spaces	Total 1-pole spaces	Front type	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit	Ordering code
100	12	6	12	Combination	4-1/0	TGK12 or TGK24 (order separately) TLK20 kit included	PM1210C
	24	12	24	Combination	4-1/0	TGK12 or TGK24 or TGK32 (order separately) TLK20 Kit Included	PM2410C
	32	16	32	Combination	4-1/0	TGK12 or TGK24 or TGK32 (order separately) TLK20 Kit Included	PM3210C
125	12	6	12	Combination	2-2/0	TGK12 or TGK24 or TGK32 (order separately) TLK20 Kit Included	PM1212C
	24	12	24	Combination	2-2/0	TGK12 or TGK24 or TGK32 (order separately) TLK20 Kit Included	PM2412C
	32	16	32	Combination	2-2/0	TGK12 or TGK24 or TGK32 (order separately) TLK20 Kit Included	PM3212C
150	24	16	32	Combination	1-300 Cu, 2/0-300 Al	TGK12 or TGK24 or TGK32 or TGK42 (order separately) TLK20 Kit Included	PM2415C
	32	16	32	Combination	1-300 Cu, 2/0-300 Al	TGK12 or TGK24 or TGK32 (order separately) TLK20 Kit Included	PM3215C
	40	20	40	Combination	1-300 Cu, 2/0-300 Al	TGK12 or TGK24 or TGK42 (order separately) TLK20 Kit Included	PM4015C
200	24	16	32	Combination	1-300 Cu, 2/0-300 Al	TGK12 or TGK24 or TGK32 or TGK42 (order separately) TLK20 Kit Included	PM2420C
	32	16	32	Combination	1-300 Cu, 2/0-300 Al	TGK12 or TGK24 or TGK32 (order separately) TLK20 Kit Included	PM3220C
	40	20	40	Combination	1-300 Cu, 2/0-300 Al	TGK12 or TGK24 or TGK42 (order separately) TLK20 Kit Included	PM4020C
	60	30	60	Combination	1-300 Cu, 2/0-300 Al	TGK12 or TGK24 or TGK42 (order separately) TLK20 Kit Included	PM6020C
225	42	20	42	Combination	1-300 Cu, 2/0-300 Al	TGK12 or TGK24 or TGK42 (order separately) TLK20 Kit Included	PM4222C

### Main breaker, factory installed, indoor (NEMA 1) enclosure, top/bottom feed, white trim

Main ampere rating	1 pole, 1" spaces	2 pole, 1" spaces	Total 1-pole spaces	Front type	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit	Ordering code
100	12	6	12	Combination	4-1/0	TGK12 or TGK24 (order separately) TLK20 kit included	PM1210W
	24	12	24	Combination	4-1/0	TGK12 or TGK24 or TGK32 (order separately) TLK20 Kit Included	PM2410W
	32	16	32	Combination	4-1/0	TGK12 or TGK24 or TGK32 (order separately) TLK20 Kit Included	PM3210W
125	12	6	12	Combination	2-2/0	TGK12 or TGK24 or TGK32 (order separately) TLK20 Kit Included	PM1212W
	24	12	24	Combination	2-2/0	TGK12 or TGK24 or TGK32 (order separately) TLK20 Kit Included	PM2412W
	32	16	32	Combination	2-2/0	TGK12 or TGK24 or TGK32 (order separately) TLK20 Kit Included	PM3212W
150	24	16	32	Combination	1-300 Cu, 2/0-300 Al	TGK12 or TGK24 or TGK32 or TGK42 (order separately) TLK20 Kit Included	PM2415W
	32	16	32	Combination	1-300 Cu, 2/0-300 Al	TGK12 or TGK24 or TGK32 (order separately) TLK20 Kit Included	PM3215W
	40	20	40	Combination	1-300 Cu, 2/0-300 Al	TGK12 or TGK24 or TGK42 (order separately) TLK20 Kit Included	PM4015W
200	24	16	32	Combination	1-300 Cu, 2/0-300 Al	TGK12 or TGK24 or TGK32 or TGK42 (order separately) TLK20 Kit Included	PM2420W
	32	16	32	Combination	1-300 Cu, 2/0-300 Al	TGK12 or TGK24 or TGK32 (order separately) TLK20 Kit Included	PM3220W
	40	20	40	Combination	1-300 Cu, 2/0-300 Al	TGK12 or TGK24 or TGK42 (order separately) TLK20 Kit Included	PM4020W
	60	30	60	Combination	1-300 Cu, 2/0-300 Al	TGK12 or TGK24 or TGK42 (order separately) TLK20 Kit Included	PM6020W
225	42	20	42	Combination	1-300 Cu, 2/0-300 Al	TGK12 or TGK24 or TGK42 (order separately) TLK20 Kit Included	PM4222W

NOTE: Circuit breakers must be ordered separately. [Click here.](#)

## PowerMark PRO load centers

### Main breaker, factory installed, outdoor (NEMA 3R) enclosure, top feed

Main ampere rating	1 pole, 1" spaces	2 pole, 1" spaces	Total 1-pole spaces	Front type	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit	Ordering code
100	24	12	24	-	4-1/0	TGK12 or TGK24 or TGK42 (order separately) TLK20 Kit Included	PM2410R
125	24	12	24	-	2-2/0	TGK12 or TGK24 or TGK42 (order separately) TLK20 Kit Included	PM2412R
200	32	16	32	-	1-300 Cu, 2/0-300 Al	TGK12 or TGK24 or TGK32 or TGK42 (order separately) TLK20 Kit Included	PM3220R
	40	20	40	-	1-300 Cu, 2/0-300 Al	TGK12 or TGK24 or TGK32 or TGK42 (order separately) TLK20 Kit Included	PM4020R

### Main breaker with feed through lugs, factory installed, outdoor (NEMA 3R) enclosure, top feed

Main ampere rating	1 pole, 1" spaces	2 pole, 1" spaces	Total 1-pole spaces	Front type	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit	Ordering code
150	8	4	8	-	1-300 Cu, 2/0-300 Al	TGK24 or TGK32 (order separately) TLK20 kit included	PM815RFL
200	8	4	8	-	1-300 Cu, 2/0-300 Al	TGK24 or TGK32 (order separately) TLK20 kit included	PM820RFL

NOTE: Circuit breakers must be ordered separately. [Click here.](#)

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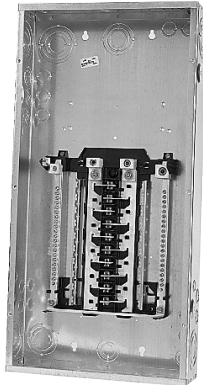
## PowerMark Gold load centers

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Main breaker factory installed outdoor (NEMA 3) enclosure	1-17

# PowerMark Gold load centers

## Product overview



Designed to control the distribution of energy through the house. PowerMark Gold load centers' unique features enable a safe, fast, and easy installation. At the same time, they deliver benefits in design, function, and quality that are intuitive and impactful.

### Features

- UL listed (Panelboards No. 67)
- Single-phase, three-wire, 120/240 V AC
- 0°/75°C conductor rating
- Suitable for use as service entrance Equipment when installed in accordance with the National Electrical Code
- 22kAIC RMS symmetrical, except where noted
- 6-42 circuit devices UL listed for bottom mounted lugs by installing complete unit (box, interior and front) upside down.
- For a listing of CSA listed load centers, visit [electrification.us.abb.com](http://electrification.us.abb.com).

### Ordering code construction

	T	M	42	4	20	C	CU	B	
ABB identification									
Type	M = Main breaker L = Main lug LM = Convertible PL = Main lug (Thermoplastic)								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. (Doors standard on all units 12 circuits or greater) W = White trim
Maximum number 1" spaces			2, 4, 6...42						Insert for PowerMark Gold CU = Copper Bus 42 = Copper Bus Full 42 circuit panel
Single phase = Omit this field									Front type C = Combination surface/flush F = Flush S = Surface R = Outdoor
Insert for 3-Phase 4-Wire Load Centers									Bus ampere rating 40 = 40 Amps      20 = 200 Amps 70 = 70 Amps      22 = 225 Amps 10 = 100 Amps 12 = 125 Amps 15 = 150 Amps

## PowerMark Gold load centers

### Main lug, factory installed, indoor (NEMA 1) enclosure, top/bottom feed<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	Box number	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit	Ordering code
40	2	1	4	1	4	Surface	1A	14-4	TGK4 (order separately)	TL2405CU <sup>2,9</sup>
70	2	1	4	1	4	Surface	1A	6-3	TGK4 (order separately)	TL2705CU <sup>2,9</sup>
125	4	2	8	3	8	Combination	2A	1-2/0	TGL1 (order separately)	TL412C <sup>2,3,9</sup>
	4	2	8	3	8	Combination	2A	1-2/0	TGL1 installed	TL412CT <sup>2,3,4,9</sup>
	4	2	8	3	8	Thermoplastic	2	1-2/0	TGL1 (order separately)	TPL412C <sup>2,3,4,9</sup>
	4	2	8	3	8	Thermoplastic	2	1-2/0	TGL1 installed	TP412CT <sup>2,3,4,9</sup>
	6	3	12	4	12	Flush	3A	6-1	TGL2 (order separately)	TLM612FCU <sup>5,9</sup>
	6	3	12	4	12	Flush	3A	6-1	TGL2 (order separately)	TLM612FCUD <sup>5,9</sup>
	6	3	12	4	12	Flush	3A	6-1	TGL2 installed	TLM612FCUDG <sup>5,9</sup>
	6	3	12	4	12	Surface	3A	6-1	TGL2 (order separately)	TLM612SCU <sup>5,9</sup>
	6	3	12	4	12	Surface	3A	6-1	TGL2 (order separately)	TLM612SCUD <sup>5,9</sup>
	6	3	12	4	12	Surface	3A	6-1	TGL2 installed	TLM612SCUDG <sup>5,9</sup>
	8	4	16	8	16	Flush	3A	6-1	TGL2 (order separately)	TLM812FCU <sup>5,9</sup>
	8	4	16	8	16	Flush	3A	6-1	TGL2 (order separately)	TLM812FCUD <sup>5,9</sup>
	8	4	16	8	16	Flush	3A	6-1	TGL2 (order separately)	TLM812FCUDG <sup>5,9</sup>
	8	4	16	8	16	Surface	3A	6-1	TGL2 (order separately)	TLM812SCU <sup>5,9</sup>
	8	4	16	8	16	Surface	3A	6-1	TGL2 (order separately)	TLM812SCUD <sup>5,9</sup>
	8	4	16	8	16	Surface	3A	6-1	TGL2 installed	TLM812SCUDG <sup>5,9</sup>
	14	6	20	8	24	Combination	18	6-2/0	Included <sup>10</sup>	TLM1212CCU <sup>8,9</sup>
	16	8	16	6	24	Combination	4	6-2/0	TGK12 or TGK24 (order separately)	TLM1612CCU <sup>6</sup>
	16	8	16	6	24	Combination	4	6-2/0	TGK12 and TLK20 installed	TLM1612CCUG <sup>6</sup>
	24	12	0	0	24	Combination	7	6-2/0	TGK24 or TGK32 (order separately)	TLM2412CCU <sup>6</sup>
24	12	0	0	24	Combination	7	6-2/0	TGK24 and TLK20 installed	TLM2412CCUG <sup>6</sup>	
200	16	8	32	14	32	Combination	7	6-250	TGK32 (order separately)	TLM1620CCU <sup>7</sup>
	16	8	32	14	32	Combination	7	6-250	TGK32 installed	TLM1620CCUG <sup>7</sup>
	20	10	40	18	40	Combination	8	6-250	TGK32 (order separately)	TLM2020CCU <sup>7</sup>
	20	10	40	18	40	Combination	8	6-250	TGK42 installed	TLM2020CCUG <sup>7</sup>
	24	12	36	18	42	Combination	9	1-3/0 (Cu), 2/0-3/0 (Al)	TGK24 or TGK32 (order separately)	TLM2420C42 <sup>7</sup>
	32	16	20	8	42	Combination	11	1-250 (Cu), 2/0-250 (Al)	TGK32 and TLK20 (order separately)	TLM3220C42 <sup>7</sup>
	32	16	16	6	40	Combination	11	6-250	TGK32 (order separately)	TLM3220CCU <sup>7</sup>
	32	16	16	6	40	Combination	11	6-250	TGK32 and TNLK250 installed	TLM3220CCUG <sup>7</sup>
	32	16	64	30	64	Combination	19	6-250	(2) TGK32 and (1) TLK250 installed	TLM3220C64G <sup>3</sup>
	40	20	0	0	40	Combination	13	6-250	TGK42 (order separately)	TLM4020CCU <sup>7</sup>
	40	20	0	0	40	Combination	13	6-250	TGK42 and TNLK250 installed	TLM4020CCUG <sup>7</sup>
	40	20	80	38	80	Combination	20	6-250	(2) TGK32 and (1) TLK250 installed	TLM4020C80G <sup>2,7</sup>
	42	20	0	0	42	Combination	14	1-300 (Cu), 2/0-300 (Al)	TGK42 (order separately)	TLM4220CCU <sup>7</sup>
	42	20	0	0	42	Combination	14	1-300 (Cu), 2/0-300 (Al)	TGK42 and TNLK250 installed	TLM4220CCUG <sup>7</sup>
225	42	20	0	0	42	Combination	14	1-300 (Cu), 2/0-300 (Al)	TGK42 (order separately)	TLM4222CCU <sup>7</sup>
	42	20	0	0	42	Combination	14	1-300 (Cu), 2/0-300 (Al)	TGK42 and TNLK250 installed	TLM4222CCUG <sup>7</sup>

<sup>1</sup> TLM indicates units are convertible to main breaker.

<sup>2</sup> No door

<sup>3</sup> 10 kAIC

<sup>4</sup> 125 amp maximum branch capacity.

<sup>5</sup> For main breaker, order THQLRK2 retainer kit plus 2-pole circuit breaker. See page 1-57, 100 amp max.

<sup>6</sup> For main breaker, order TQMH000. See page 1-48. Also order 2-pole THQL, THHQL, or TXQL circuit breaker. See page 1-43.

<sup>7</sup> For main breaker, order THQMVXXE circuit breaker from page 1-48.

<sup>8</sup> For main breaker applications, use reverse feed THQL breaker or THHQL circuit breaker (see page 1-43) and THQLRK3 breaker retainer (see page 1-57).

<sup>9</sup> No lock provision available. Use next size larger load center such as TLM1612CCU with a TDL106 accessory if locking provision is required.

<sup>10</sup> Minimum order QTY is 40 for below 24 circuits; QTY 24 for 24 circuits and above. (See DEE-590)

<sup>11</sup> Load center includes a factory installed ground bar and add-a-lug.

A separate TGL2 can be added in the unlikely event that another ground bar is required.

**NOTE: Circuit breakers must be ordered separately. [Click here.](#)**

## PowerMark Gold load centers

### Main lug, factory installed, indoor (NEMA 1) enclosure, top/bottom feed, white trim<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	Box number	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit	Ordering code
125	14	6	20	8	24	Combination	18	6-2/0	Included <sup>10</sup>	TLM1212CCUW <sup>9,10</sup>
	24	12	0	0	24	Combination	7	6-2/0	TGK24 or TGK32 (order separately)	TLM2412CCUW <sup>6,10</sup>
200	16	8	32	14	32	Combination	7	6-250	TGK32 (order separately)	TLM1620CCUW <sup>7,10</sup>
	20	10	40	18	40	Combination	8	6-250	TGK32 (order separately)	TLM2020CCUW <sup>7,10</sup>
	32	16	16	6	40	Combination	11	6-250	TGK32 (order separately)	TLM3220CCUW <sup>7,10</sup>
	40	20	0	0	40	Combination	13	6-250	TGK42 order separately)	TLM4020CCUW <sup>7,10</sup>

<sup>1</sup>TLM indicates units are convertible to main breaker.

<sup>2</sup>No door

<sup>3</sup>10 kAIC

<sup>4</sup>125 amp maximum branch capacity.

<sup>5</sup>For main breaker, order THQLRK2 retainer kit plus 2-pole circuit breaker. See page 1-57, 100 amp max.

<sup>6</sup>For main breaker, order TQMH000. See page 1-48. Also order 2-pole THQL, THHQL, or TXQL circuit breaker. See page 1-43.

<sup>7</sup>For main breaker, order THQMVXXE circuit breaker from page 1-48.

<sup>8</sup>For main breaker applications, use reverse feed THQL breaker or THHQL circuit breaker (see page 1-43) and THQLRK3 breaker retainer (see page 1-57).

<sup>9</sup>No lock provision available. Use next size larger load center such as TLM1612CCU with a TDL106 accessory if locking provision is required.

<sup>10</sup>Minimum order QTY is 40 for below 24 circuits; QTY 24 for 24 circuits and above. (See DEE-590)

<sup>11</sup>Load center includes a factory installed ground bar and add-a-lug.

A separate TGL2 can be added in the unlikely event that another ground bar is required.

NOTE: Circuit breakers must be ordered separately. [Click here.](#)

## PowerMark Gold load centers

### Main lug, factory installed, outdoor (NEMA 3R) enclosure, top feed<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	Box number	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit	Ordering code
40	2	1	4	1	4	-	R1A	14-4	TGK4 (order separately)	TL240RCU
70	2	1	4	1	4	-	R1A	6-3	TGK4 (order separately)	TL270RCU
100	5	0	0	0	5	Flush	R41	6-3	TGL1 installed	TL510RT <sup>3,9</sup>
125	4	2	8	3	8	-	R1A	1-2/0	TGL1 (order separately)	TL412R <sup>2,3</sup>
	4	2	8	3	8	-	R1A	1-2/0	TGL1 installed	TL412RT <sup>1,3</sup>
	4	2	8	3	8	-	R41	1-2/0	TGL1 (order separately)	TL412R2 <sup>3</sup>
	4	2	8	3	8	Thermoplastic	R1	1-2/0	TGL1 (order separately)	TPL412R <sup>3,4</sup>
	4	2	8	3	8	Thermoplastic	R1	1-2/0	TGL1 installed	TPL412RT <sup>3,4</sup>
	6	2	12	4	12	-	R2A	6-1	TGL2 (order separately)	TLM612RCU <sup>5</sup>
	8	4	16	8	16	-	R2A	6-1	TGL2 (order separately)	TLM812RCU <sup>5</sup>
	8	4	16	8	16	-	R3A	6-1	TGL2 (order separately)	TLM812RCU <sup>2,6</sup>
	14	6	20	8	24	-	R3A	6-2/0	Included	TLM1212RCU <sup>8,10</sup>
	24	12	0	0	24	-	R4A	6-2/0	TGK24 or TGK32 (order separately)	TLM2412RCU <sup>6</sup>
150	24	12	12	4	30	-	R6A	1-3/0 (Cu), 2/0-3/0 (Al)	TGK24 or TGK32 (order separately)	TLM2415RCU <sup>7</sup>
200	12	6	24	10	24	-	R5A	6-250	TGK24 (order separately)	TLM1220RCU <sup>7</sup>
	16	8	32	14	32	-	R5A	6-250	TGK32 (order separately)	TLM1620RCU <sup>7</sup>
	20	10	40	18	40	-	R6A	6-250	TGK24 or TGK42 (order separately)	TLM2020RCU <sup>7</sup>
	24	12	36	18	42	-	R39	1-250 (Cu), 2/0-250 (Al)	TGK24 (order separately)	TLM2420R4 <sup>3</sup>
	32	16	16	6	40	-	R7A	1-250 (Cu), 2/0-250 (Al)	TGK32 (order separately)	TLM3220RCU <sup>7</sup>
	40	20	0	0	40	-	R8A	6-250	TGK42 (order separately)	TLM4020RCU <sup>7</sup>
225	42	20	0	0	42	-	R8A	1-300 (Cu), 2/0-300 (Al)	TGK42 (order separately)	TLM4222RCU <sup>7</sup>

<sup>1</sup>TLM indicates units are convertible to main breaker.

<sup>2</sup>40-225 amp single-phase devices have removable closing caps. Larger ampere devices require field-cut openings. Order hubs separately. See page 1-56.

<sup>3</sup>10 kAIC.

<sup>4</sup>125 amp maximum branch capacity.

<sup>5</sup>For main breaker, order THQLRK2 retainer kit plus 2-pole circuit breaker. See page 1-57, 100 amp maximum due to wire bending requirements.

<sup>6</sup>For main breaker, order TQMHO00. See page 1-48. Also order 2-pole THQL or THHQL circuit breaker. See page 1-43.

<sup>7</sup>For main breaker, order THQMVXXXE circuit breaker from page 1-48.

<sup>8</sup>For main breaker applications, use reverse feed THQL or THHQL circuit breaker (see page 1-43) and THQLRK3 breaker retainer (see page 1-57).

<sup>9</sup>Main and branch breakers are limited to 70 amps.

<sup>10</sup>Load center includes a factory installed ground bar and add-a-lug.

A separate TGL2 can be added in the unlikely event that another ground bar is required.

**Note:** See page 11-6, RL Series Lighting Panelboards as replacements for 300-600A load centers.

**NOTE:** Circuit breakers must be ordered separately. [Click here.](#)

## PowerMark Gold load centers

### Main breaker, factory installed, indoor (NEMA 1) enclosure, top/bottom feed

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	Box number	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit	Ordering code
100	12	5	20	8	22	Combination	18	4-1/0	Included <sup>1</sup>	TM1210CCU2
	24	12	0	0	24	Combination	7	1-2/0	TGK24 or TGK32; and TLK20 (order separately)	TM2410CCU
	20	10	0	0	20	Combination	6	4-1/0	TGK24 (order separately)	TM2010CCU
	32	16	0	0	32	Combination	11	4-1/0	TGK32 (order separately)	TM3210CCU
125	12	5	20	8	22	Combination	18	1-2/0	Included <sup>1</sup>	TM1212CCU2
	24	12	0	0	24	Combination	7	1-2/0	TGK24 (order separately)	TM2412CCU
	16	8	16	6	24	Combination	4	1-2/0	TGK12 or TGK24 (order separately)	TM1612CCU
150	16	8	32	14	32	Combination	7	1-3/0 (Cu), 2/0-3/0 (Al)	TGK24 or TGK32 (order separately)	TM1615CCU
	32	16	0	0	32	Combination	11	1-3/0 (Cu), 2/0-3/0 (Al)	TGK32 (order separately)	TM3215CCU
	24	12	36	18	42	Combination	9	1-3/0 (Cu), 2/0-3/0 (Al)	TGK24 or TGK32 (order separately)	TM2415C42
	32	16	20	10	42	Combination	11	1-3/0 (Cu), 2/0-3/0 (Al)	TGK32 and TLK20 (order separately)	TM3215C42
	40	20	80	38	80	Combination	20	1-250 (Cu) 2/0-250 (Al)	Order separately if required	TM4015C80
200	16	8	32	14	32	Combination	7	1-250 (Cu) 2/0-250 (Al)	TGK32 (order separately)	TM1620CCU
	16	8	32	14	32	Combination	8	1-250 (Cu) 2/0-250 (Al)	TGK32 installed	TM1620CCUG
	20	10	40	18	40	Combination	8	1-250 (Cu) 2/0-250 (Al)	TGK32 (order separately)	TM2020CCU
	20	10	40	18	40	Combination	8	1-250 (Cu) 2/0-250 (Al)	TGK32 installed	TM2020CCUG
	32	16	16	6	40	Combination	11	1-250 (Cu) 2/0-250 (Al)	TGK32 (order separately)	TM3220CCU
	40	20	0	0	40	Combination	13	1-250 (Cu) 2/0-250 (Al)	TGK42 (order separately)	TM4020CCU
	32	16	20	8	42	Combination	11	1-250 (Cu) 2/0-250 (Al)	TGK32 and TLK20 (order separately)	TM3220C42
	42	20	0	0	42	Combination	14	1-300 (Cu), 2/0-300 (Al)	TGK42 (order separately)	TM4220CCU
	32	16	64	30	64	Combination	19	1-250 (Cu) 2/0-250 (Al)	TGK32 (order separately)	TM3220C64
225	40	20	80	38	80	Combination	20	1-250 (Cu) 2/0-250 (Al)	TGK42 (order separately)	TM4020C80
	42	20	0	0	42	Combination	14	1-300 (Cu), 2/0-300 (Al)	TGK42 (order separately)	TM4222CCU

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

### Main breaker, factory installed, indoor (NEMA 1) enclosure, top/bottom feed, white trim

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	Box number	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit	Ordering code
125	16	8	16	6	24	Combination	4	1-2/0	TGK24 installed	TM1612CCUG
150	16	8	32	14	32	Combination	7	1-3/0 (Cu), 2/0-3/0 (Al)	TGK32 installed	TM1615CCUG
200	20	10	40	18	40	Combination	8	1-250 (Cu) 2/0-250 (Al)	TGK24 or TGK42 (order separately)	TM2020CCUW <sup>3</sup>
	20	10	40	18	40	Combination	8	1-250 (Cu) 2/0-250 (Al)	TGK32 installed	TM2020CCUGW <sup>3</sup>

<sup>2</sup> No lock provision available. Use next size larger load center such as TLM1612CCU with a TDL106 accessory if locking provision is required.

<sup>3</sup> Minimum order QTY is 40 for below 24 circuits; QTY 24 for 24 circuits and above. (See DEE-590)

NOTE: Circuit breakers must be ordered separately. [Click here.](#)



## PowerMark Gold load centers

### Main breaker, factory installed, outdoor (NEMA 3R) enclosure, top feed

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	Box number	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit	Ordering code
100	12	5	20	8	22	R3A	4-1/0	<sup>5</sup>	TM1210RCU
	20	10	0	0	30	R4	4-1/0	TGK24 (order separately)	TM2010RCU
125	12	5	20	8	22	R3A	1-2/0	<sup>5</sup>	TM1212RCU
	24	12	0	0	24	R4	1-2/0	TGK24 (order separately)	TM2412RCU
150	8	4	16	6	16	R5	1-250 (Cu), 2/0-250 (Al)	TGK24 (order separately)	TM815RCUFL
	16	8	32	14	32	R5	1-3/0 (Cu), 2/0-3/0 (Al)	TGK24 (order separately) TGK32 (order separately)	TM1615RCU
	24	12	12	4	30	R6	1-3/0 (Cu), 2/0-3/0 (Al)	TGK24 (order separately) TGK32 (order separately)	TM2415RCU
	24	12	36	18	42	R39	1-250 (Cu), 2/0-250 (Al)	TGK24 (order separately)	TM2415R42
	32	16	0	0	32	R7	1-3/0 (Cu), 2/0-3/0 (Al)	TGK32 (order separately)	TM3215RCU
200	8	4	16	6	16	R5	1-250 (Cu), 2/0-250 (Al)	TGK24 or TGK32 (order separately)	TM820RCUFL
	20	10	40	18	40	R6	1-250 (Cu), 2/0-250 (Al)	TGK24 (order separately) TGK42 (order separately)	TM2020RCU
	24	12	36	18	42	R39	1-250 (Cu), 2/0-250 (Al)	TGK24 (order separately)	TM2420R42
	32	16	16	6	40	R7	1-250 (Cu), 2/0-250 (Al)	TGK32 (order separately)	TM3220RCU
	40	20	0	0	40	R8	1-250 (Cu), 2/0-250 (Al)	TGK42 (order separately)	TM4020RCU
225	8	4	16	6	16	R5	1-250 (Cu), 2/0-250 (Al)	TGK24 (order separately)	TM822RCUFL
	42	20	0	0	42	R8	1-300 (Cu), 2/0-300 (Al)	TGK42 (order separately)	TM4222RCU

<sup>4</sup> 100-225 amp devices have removable closing caps. Larger ampere devices require field-cut openings. Order hubs separately. See page 1-56.

<sup>5</sup> Load Center includes a factory installed ground bar and add-a-lug. A separate TGK12 or TGK24 can be ordered as accessories.

**Note:** See page 11-6, RL Series Lighting Panelboards as replacements for 300-600A load centers.

**NOTE:** Circuit breakers must be ordered separately. [Click here.](#)

## PowerMark Gold meter socket load centers

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## PowerMark Gold meter socket load centers

### Product overview



Designed and manufactured for quality applications, these PowerMark Gold Meter Socket Load Centers are a superior solution to specific applications. Increased durability and reliability, maximum circuit layout flexibility and ease of installation add up to lower total installed cost.

#### Features

- UL listed (Panelboards No. UL67)
- Service barriers included for factory installed main circuit breaker and main circuit breaker kits (required to meet UL67 for service entrance applications)
- PowerMark Gold Meter Socket Load Centers are NEMA 3R outdoor rated.



#### Solar ready meter socket load center

PowerMark Gold Meter Socket Load Centers are a perfect complement for residential applications that use solar photovoltaic (PV) power to optimize reliability and protection. PowerMark Gold Meter Socket Load Centers are UL listed for solar ready applications and comply with the National Electric Code (NEC) for use with a photovoltaic (PV) power source.

Look for our solar ready logo for the ABB meter socket load centers that comply with the National Electrical Code (NEC) for use with PF power source. Per NEC 705.12, these meter socket load centers can handle current up to 120% of the bus ampacity, using standard back fed circuit breakers.

Found on page 1-24.

#### Max PV + Main breaker rating ≤ Busbar ratings x 1.2

Ordering code	Main breaker rating	Bus rating	Max PV breaker rating
TSM1610CFUCU	100 A	125 A	50 A
TSM1610CSCU	100 A	125 A	50 A
TSM2020CFSU	200 A	225 A	70 A
TSM2020CSSU	200 A	225 A	70 A

## PowerMark Gold meter socket load centers

### Ordering code construction - meter main type

**T M 10 RMC**

**Load center**

T = ABB non-PON designation

**Socket and utility type**

M = Ring (various) or Ringless (MEG\*)  
 SMR = Ringless Georgia Power (GP\*\*)

**Suffix**

RMC = Various utility approvals  
 CSGP = GP\*\* approved  
 RMCFMG = MEG/FMG\* approved

**Amperage rating**

10 = 100A (GP\*)  
 15 = 150A (GP\*)  
 10 = 100A Non-GP\*\*  
 12 = 125A Non-GP\*\*  
 15 = 150A Non-GP\*\*  
 20 = 200A Non-GP\*\*

\*FMG = Florida Meeting Group now part of Meter Equipment Group (MEG) utility  
 \*\*GP = Gorgia Power utility

## PowerMark Gold meter socket load centers

### Meter main, ring type, main lug only

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	Interrupting current rating (kAIC)	Front type	Bypass type	UL incoming	Ordering code
100	2	1	4	1	4	10	Semi-flush	None	OH/UG	TSL210CFCU <sup>1</sup>
	2	1	4	1	4	10	Surface <sup>2</sup>	None	OH/UG	TSL210CSCU <sup>1,2,3</sup>
125	4	2	6	3	6	22	Surface <sup>2</sup>	None	OH/UG	TSL412CSCU <sup>1,2,3</sup>
200	4	2	6	3	6	10	Semi-flush	None	OH/UG	TSL420CFCU <sup>1,4,5</sup>
	4	2	6	3	6	10	Surface <sup>2</sup>	None	OH/UG	TSL420CSCU <sup>1,2,3,4</sup>

<sup>1</sup> Accepts field installed fifth jaw terminal in the 3 or 9 o'clock position. Ordering code TJAW53; order separately.

<sup>2</sup> Devices include removable closing cap. Order hub separately. See page 1-56.

<sup>3</sup> Surface mounted units have two hub provisions on top end wall.

<sup>4</sup> THQL and THHQL only, 125 amp max. TQDL is obsolete.

<sup>5</sup> Restricted

### Meter main, ring type, factory installed mains

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	Interrupting current rating (kAIC)	Front type	Bypass type	UL incoming	Ordering code
100	0	0	0	0	0	10	Surface <sup>2</sup>	None	OH/UG	TM10RMC <sup>2</sup>
125	0	0	0	0	0	10	Surface <sup>2</sup>	None	OH/UG	TM12RMC <sup>2</sup>
150	0	0	0	0	0	10	Surface <sup>2</sup>	None	OH/UG	TM15RMC <sup>2</sup>
200	0	0	0	0	0	10	Surface <sup>2</sup>	None	OH/UG	TM20RMC <sup>2</sup>

<sup>1</sup> Accepts field installed fifth jaw terminal in the 3 or 9 o'clock position. Ordering code TJAW53; order separately.

<sup>2</sup> Devices include removable closing cap. Order hub separately. See page 1-56.

<sup>3</sup> Surface mounted units have two hub provisions on top end wall.

<sup>4</sup> THQL and THHQL only, 125 amp max. TQDL is obsolete.

<sup>5</sup> Restricted

### Application data

Ordering code	Box number	Unit width (In inches)	Unit height (In inches)	Depth (In inches)	Factory inst. svcs disc	Field inst. svcs disc	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit
TSL210CFCU	R12	14	23-1/2	4-7/8	-	THQP/THQL	6-2/0	TGL1 installed
TSL210CSCU	R12	14	23-1/2	4-7/8	-	THQP/THQL	6-2/0	TGL1 installed
TSL412CSCU	R12	14	23-1/2	4-7/8	-	THQP/THQL	6-2/0	TGL1 installed
TSL420CFCU	R14	14	30-3/4	5-3/4	-	THQP/THQL	1-250	TGL1 installed
TSL420CSCU	R14	14	30-3/4	5-3/4	-	THQP/THQL	1-250	TGL1 installed
TM10RMC	R32	16	17	<sup>5</sup>	A1A	Field installed <sup>4</sup>	2-250	-
TM12RMC	R32	16	17	<sup>5</sup>	A2A	Field installed <sup>4</sup>	2-250	-
TM15RMC	R32	16	17	<sup>5</sup>	A2A	Field installed <sup>4</sup>	2-250	-
TM20RMC	R32	16	17	<sup>5</sup>	A2A	Field installed <sup>4</sup>	2-250	-

NOTE: Circuit breakers must be ordered separately. [Click here.](#)



## PowerMark Gold meter socket load centers



TSM420CSCU



TSF420CSCU

### Single main, ring type, farm panel, main breaker

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	Interrupting current rating (kAIC)	Front type	Bypass type	UL incoming	Ordering code
200	4	2	8	3	8	22	Surface	None	OH/UG	TSF420CSCU <sup>1,2</sup>

<sup>1</sup> Devices include removable closing cap. Order hub separately. See page 1-56.

<sup>2</sup> Separate field mounted service disconnect can be added, THQL/THQL.

### Application data

Ordering code	Box number	Unit width (In inches)	Unit height (In inches)	Depth (In inches)	Factory inst. svcs disc	Field inst. svcs disc	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit
TSF420CSCU	R16	16-3/4	33	6-3/16	THQMV	THQL/THQL	1-300	TGK12 (order separately)

### Single main, ring type, feed thru, main breaker

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	Interrupting current rating (kAIC)	Front type	Bypass type	UL incoming	Ordering code
150	4	2	8	3	8	22	Surface	None	OH/UG	TSM415CSCU <sup>1</sup>
	8	4	16	6	16	22	Surface	None	OH/UG	TSM815CSCU <sup>1</sup>
	8	4	16	6	16	22	Surface	None	OH/UG	TSM815CSFL <sup>1</sup>
200	4	2	8	3	8	22	Surface	None	OH/UG	TSM420CSCU <sup>1</sup>
	8	4	16	6	16	22	Surface	None	OH/UG	TSM820CSCU <sup>1</sup>
	8	4	16	6	16	22	Surface	None	OH/UG	TSM820CSFL <sup>1</sup>

<sup>1</sup> Devices include removable closing cap. Order hub separately. See page 1-56.

### Application data

Ordering code	Box number	Unit width (In inches)	Unit height (In inches)	Depth (In inches)	Factory inst. svcs disc	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit
TSM415CSCU	R36	14	28-1/2	4-1/2	THQMV	6-350	TGL2 included
TSM815CSCU	R16	16-3/4	33	6-3/16	THQMV	1-300	TGK12 (order separately)
TSM815CSFL	R37B	14	31-3/4	4-1/2	THQMV	6-350	TGK24 included
TSM420CSCU	R36	14	28-1/2	4-1/2	THQMV	6-350	TGL2 included
TSM820CSCU	R16	16-3/4	33	6-3/16	THQMV	6-350	TGK12 (order separately)
TSM820CSFL	R37B	14	31-3/4	4-1/2	THQMV	6-350	TGK24 included

NOTE: Circuit breakers must be ordered separately. [Click here.](#)

## PowerMark Gold meter socket load centers



TSM1610CSCU

### Single main, ring type, side-by-side, main breaker

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	Interrupting current rating (kAIC)	Front type	Bypass type	UL incoming	Ordering code
100	16	8	32	14	32	22	Semi-flush	None	OH/UG	TSM1610CFCU <sup>1,4</sup>
125	12	6	24	12	24	22	Semi-flush	None	OH/UG	TSM1212CFCU <sup>1</sup>
	16	8	32	14	32	22	Semi-flush	None	OH/UG	TSM1612CFCU <sup>1</sup>
200	20	10	40	18	40	22	Semi-flush	None	OH/UG	TSM2020CFCU <sup>1,4</sup>
100	16	8	32	14	32	22	Surface	None	OH/UG	TSM1610CSCU <sup>1,2,3,4</sup>
	12	6	24	12	24	22	Surface	None	OH/UG	TSM1212CSCU <sup>1,2,3</sup>
125	16	8	32	14	32	22	Surface	None	OH/UG	TSM1612CSCU <sup>1,2,3</sup>
	20	10	40	18	40	22	Surface	None	OH/UG	TSM2020CSCU <sup>1,2,3,4</sup>

<sup>1</sup> Accepts field installed fifth jaw terminal in the 3 or 9 o'clock position. Ordering code TJAW53; order separately.

<sup>2</sup> Devices include removable closing cap. Order hub separately. See page 1-56.

<sup>3</sup> Surface mounted units have two hub provisions on top end wall.

<sup>4</sup> Unit ships with factory-installed solar-ready label.

### Application data

Ordering code	Box number	Unit width (In inches)	Unit height (In inches)	Depth (In inches)	Factory inst. svcs disc	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit
TSM1610CFCU	R19	14-3/4	28-1/2	7-5/16	THHQL	12-2/0	TGK12 (order separately)
TSM1212CFCU	R19	14-3/4	28-1/2	7-5/16	THHQL	12-2/0	TGK12 (order separately)
TSM1612CFCU	R19	14-3/4	28-1/2	7-5/16	THHQL	12-2/0	TGK12 (order separately)
TSM2020CFCU	R17	16-3/4	34-1/4	7-5/16	THQMV	1-300	TGK12 (order separately)
TSM1610CSCU	R20	14-3/4	27-5/16	5-7/16	THHQL	12-2/0	TGK12 (order separately)
TSM1212CSCU	R20	14-3/4	27-5/16	5-7/16	THHQL	12-2/0	TGK12 (order separately)
TSM1612CSCU	R20	14-3/4	27-5/16	5-7/16	THHQL	12-2/0	TGK12 (order separately)
TSM2020CSCU	R18	14-3/4	33	6-5/16	THQMV	1-300	TGK12 (order separately)

### Single main, ring type, extra wide, main breaker

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	Interrupting current rating (kAIC)	Front type	Bypass type	UL incoming	Ordering code
200	32	16	16	6	40	22	Surface	None	UG	TSM3220UWCU <sup>2</sup>
	40	20	0	0	40	22	Surface	None	UG	TSM4020UWCU <sup>2</sup>

<sup>2</sup> Devices include removable closing cap. Order hub separately. See page 1-56.

### Application data

Ordering code	Box number	Unit width (In inches)	Unit height (In inches)	Depth (In inches)	Factory inst. svcs disc	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit
TSM3220UWCU	R28	22-1/2	27-7/8	6-1/4	THQMV	1-300	TGK12 (order separately)
TSM4020UWCU	R29	22-1/2	34-7/8	6-1/4	THQMV	1-300	TGK12 (order separately)

NOTE: Circuit breakers must be ordered separately. [Click here.](#)



## PowerMark Gold meter socket load centers



TSM1610CSCU

### Single main, ring type, main breaker, top/bottom feed

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	Interrupting current rating (kAIC)	Front type	Bypass type	UL incoming	Ordering code
200	24	12	36	18	42	22	Semi-Flush	None	UG	TSM2420UF42 <sup>1</sup>
	24	12	36	18	42	22	Surface	None	UG	TSM2420US42 <sup>1,2,3</sup>
	32	14	16	6	40	22	Semi-Flush	None	UG	TSM3220UFCU
	32	14	16	6	40	22	Surface	None	UG	TSM3220USCU <sup>1</sup>
225	20	10	40	18	40	22	Semi-Flush	None	UG	TSM2022UFCU
	32	14	16	6	40	22	Semi-Flush	None	UG	TSM3222UFCU
	20	10	40	18	40	22	Surface	None	UG	TSM2022USCU <sup>1</sup>
	32	14	16	6	40	22	Surface	None	UG	TSM3222USCU <sup>1</sup>

<sup>1</sup> Accepts field installed fifth jaw terminal in the 3 or 9 o'clock position. Ordering code TJAW53; order separately.

<sup>2</sup> Devices include removable closing cap. Order hub separately. See page 1-56.

<sup>3</sup> Surface mounted units have two hub provisions on top end wall.

### Application data

Ordering code	Box number	Unit width (In inches)	Unit height (In inches)	Depth (In inches)	Factory inst. svcs disc	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit
TSM2420UF42	R17	16-3/4	34-1/4	7-5/16	THQMV	1-4/0	TGK12 (order separately)
TSM2420US42	R17	16-3/4	34-1/4	7-5/16	THQMV	1-4/0	TGK12 (order separately)
TSM3220UFCU	R27	14-9/16	43-5/8	7-3/16	THQMV	1-300	TGK12 (order separately)
TSM3220USCU	R27	14-9/16	48-1/8	6-3/16	THQMV	1-300	TGK12 (order separately)
TSM2022UFCU	R21	14-9/16	43-5/8	7-3/16	THQMV	1-300	TGK12 (order separately)
TSM3222UFCU	R22	16-3/16	48-1/8	7-3/16	THQMV	1-300	TGK12 (order separately)
TSM2022USCU	R26	14-9/16	43-5/8	6-3/16	THQMV	1-300	TGK12 (order separately)
TSM3222USCU	R27	14-9/16	48-1/8	6-3/16	THQMV	1-300	TGK12 (order separately)

NOTE: Circuit breakers must be ordered separately. [Click here.](#)

## PowerMark Gold meter socket load centers



TSMB1212CSCU

### Single main, ringless with bypass, Xcel energy, UL

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	Interrupting current rating (kAIC)	Main type	Front type	Bypass type	UL incoming	Ordering code
125	4	2	8	3	8	22	MLO	Surface	Horn bypass	OH/UG	TSLR412CSCU <sup>1</sup>
	4	2	6	3	6	22	MLO	Surface <sup>1</sup>	Lever bypass	OH/UG	TSLB412CSCU <sup>1</sup>
	12	6	24	10	24	22	MB	Surface	Horn bypass	OH/UG	TSMR1212CSCU <sup>1</sup>
	12	6	24	12	24	22	MB	Surface	Lever bypass	OH/UG	TSMB1212CSCU <sup>1</sup>
150	4	2	8	3	8	22	MB	Surface	Horn bypass	OH/UG	TSMR415CSCU
	20	10	40	18	40	22	MB	Surface	Horn bypass	OH/UG	TSMR2015CSCU <sup>1</sup>
	20	10	40	18	40	22	MB	Surface	Lever bypass	OH/UG	TSMB2015CSCU <sup>1</sup>
200	4	2	6	3	6	22	MLO	Surface <sup>1</sup>	Lever bypass	OH/UG	TSLB420CSCU <sup>1</sup>
	4	2	8	3	8	22	MLO	Surface	Horn bypass	OH/UG	TSLR420CSCU <sup>1</sup>
	4	2	8	3	8	22	MB	Surface	Horn bypass	OH/UG	TSMR420CSCU
	20	10	40	18	40	22	MB	Surface	Horn bypass	OH/UG	TSMR2020CSCU <sup>1</sup>
	20	10	40	18	40	22	MB	Surface	Lever bypass	OH/UG	TSMB2020CSCU <sup>1</sup>

<sup>1</sup> Devices include removable closing cap. Order hub separately. See page 1-56.

### Application data

Ordering code	Box number	Unit width (In inches)	Unit height (In inches)	Depth (In inches)	Factory inst. svcs disc	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit
TSLR412CSCU	R31	14-9/16	33-9/16	6-3/16	Field Installed <sup>2</sup>	6-350	TGK12 (order separately)
TSLB412CSCU	R12	14	23-1/2	4-7/8	Field Installed <sup>2</sup>	6-350	TGL1 installed
TSMR1212CSCU	R30	14-9/16	40-1/2	6-3/16	THHQL	6-350	TGK12 (order separately)
TSMB1212CSCU	R20	14-3/4	27-5/16	5-7/16	THHQL	12-2/0	TGK12 (order separately)
TSMR415CSCU	R31	14-9/16	33-9/16	6-3/16	THQMV	6-350	TGK12 installed
TSMR2015CSCU	R30	14-9/16	40-1/2	6-3/16	THQMV	6-350	TGK12 (order separately)
TSMB2015CSCU	R18	14-3/4	33	6-5/16	THQMV	1-300	TGK12 (order separately)
TSLB420CSCU	R14	14	30-3/4	5-3/4	Field Installed <sup>2</sup>	6-350	TGL1 installed
TSLR420CSCU	R31	14-9/16	33-9/16	6-3/16	Field Installed <sup>2</sup>	6-350	TGK12 (order separately)
TSMR420CSCU	R31	14-9/16	33-9/16	6-3/16	THQMV	6-350	TGK12 installed
TSMR2020CSCU	R30	14-9/16	40-1/2	6-3/16	THQMV	6-350	TGK12 (order separately)
TSMB2020CSCU	R18	14-3/4	33	6-5/16	THQMV	1-300	TGK12 (order separately)

<sup>2</sup> THQL and THHQL only. 125 amp max. TQDL is obsolete.

NOTE: Circuit breakers must be ordered separately. [Click here.](#)

## PowerMark Gold meter socket load centers



TSMR415CSCUGP



TSMR420CSFLFMG

### Single main, ringless, main breaker, (Georgia Power)

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	Interrupting current rating (kAIC)	Front type	Bypass type	UL incoming	Ordering code
150	–	–	–	–	–	10	Surface	None	OH/UG	TSMR015CSGP <sup>1,4</sup>
200	–	–	–	–	–	10	Surface	None	OH/UG	TSMR020CSGP <sup>1,4</sup>
150	4	2	8	3	8	22	Surface	None	OH/UG	TSMR415CSCUGP <sup>1,4</sup>
200	4	2	8	3	8	22	Surface	None	OH/UG	TSMR420CSCUGP <sup>1,4</sup>

### Application data

Ordering code	Box number	Unit width (In inches)	Unit height (In inches)	Depth (In inches)	Factory inst. svcs disc	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit
TSMR015CSGP	R32A	18-7/8	18-9/16	5	A2A	2-250	–
TSMR020CSGP	R32A	18-7/8	18-9/16	5	A2A	2-250	–
TSMR415CSCUGP	R40	14	32	4-1/2	THQMV	6-350	TGL2 included
TSMR420CSCUGP	R40	14	32	4-1/2	THQMV	6-350	TGL2 included

### Single main, ringless, main breaker, (Florida Meter Group)

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	Interrupting current rating (kAIC)	Front type	Bypass type	UL incoming	Ordering code
150	4	2	8	3	8	22	Surface	None	OH/UG	TSMR415CSFLFMG
200	4	2	8	3	8	22	Surface	None	OH/UG	TSMR420CSFLFMG
150	8	4	16	6	16	22	Surface	None	OH/UG	TSMR815CSFLFMG <sup>4</sup>
200	8	4	16	6	16	22	Surface	None	OH/UG	TSMR820CSFLFMG <sup>4</sup>
	20	4	40	18	40	22	Surface	None	OH/UG	TSMR2020CSCUFMG <sup>2</sup>

NOTE: FMG (Florida Meter Group) is now part of MEG.

### Application data

Ordering code	Box number	Unit width (In inches)	Unit height (In inches)	Depth (In inches)	Factory inst. svcs disc	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit
TSMR415CSFLFMG	R36A	14	28-1/2	4-1/2	THQMV	6-350	TGL2 included
TSMR420CSFLFMG	R36A	14	28-1/2	4-1/2	THQMV	6-350	TGL2 included
TSMR815CSFLFMG	R37A	14	31-3/4	4-1/2	THQMV	6-350	TGK24 included
TSMR820CSFLFMG	R37A	14	31-3/4	4-1/2	THQMV	6-350	TGK24 included
TSMR2020CSCUFMG	R403	14	34-1/2	4-1/2	THQMV	6-350	TGK24 included

<sup>1</sup> Use FMG unit if Ringless standard UL design is required by your local utility.

<sup>2</sup> No feed through lugs.

<sup>3</sup> Knock outs are the same as R36A.

<sup>4</sup> Feed-thru lugs provided.

NOTE: Circuit breakers must be ordered separately. [Click here.](#)

## PowerMark Gold meter socket load centers

### Ordering code construction -dual main type (TSD)

T	SD	R	8	40	U	F	CU	
<b>Load center</b> T = ABB non-PON designation								<b>Utility approval</b> Blank = Various utility approvals GP = GP*** approved <small>*FMG = Florida Metering Group now part of Meter Equipment Group (MEG) utility **GP = Georgia Power utility</small>
<b>Main type</b> SD = Meter Socket Dual Main								<b>Bussing type, feed-thru type</b> 42 = Copper 42ckt 1/2" spaces CU = Copper Non-Feed Thru FL = Copper Feed-Thru
<b>Socket type</b> A = Ring - Link Bypass (TSD style) R = Ringless Bypass or No Bypass (TSD style)								<b>Front type</b> C = Surface (for TSDA type only) F = Semi-Flush S = Surface
<b>Max number of 1" spaces</b> "0 - 24" = Maximum # of 1" spaces/ckts for breakers								<b>Feed type</b> U = Underground C = Overhead/underground
<b>Amperage rating</b> 30 = 300A 32 = 320A 40 = 400A								

### Ordering code construction - dual main type (TM/TMH)

T	M	24	40	RMRS
<b>Load center</b> T = ABB non-PON designation				<b>Socket Type</b> RMS = Ring Type (TM and TMH style) RMRS = Ringless Type (TM and TMH style)
<b>Main type</b> M = Meter Socket Dual Main 10K MH = Meter Socket Dual Main 22K				<b>Amperage rating</b> 30 = 300A 32 = 320A 40 = 400A
<b>Max number of 1" spaces</b> "0 - 24" = Maximum # of 1" spaces/ckts for breakers				

## PowerMark Gold meter socket load centers

### Dual main, class 320

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	Bypass type	UL incoming	Agency certification	Main type	Secondary main type	Secondary main factory installed	Ordering code
300	8	4	16	8	16	Surface	Lever	UG	MEG	Formula A2	Formula A2	Yes	TSDR830USCU
	8	4	16	8	16	Semiflush	No	OH/UG	Georgia Power	Formula A2	Formula A2	Yes	TSDR830CFCUGP
320	24	12	32	14	40	Surf/Semi	None	UG	UL	Formula A2	THQL	No	TM2432RMS <sup>1,2</sup>
	0	0	0	0	0	Semiflush	Lever	UG	EUSERC	Formula A2	THHQL	No	TSDR032UFCU
	0	0	0	0	0	Surf/Semi	Lever bypass	UG	UL	Formula A2	THHQL	No	TSD032UFCU <sup>3</sup>
	24	12	32	14	42	Surf/Semi	Link bypass	UG	UL EUSERC	THQMV	THHQL	No	TSDA2432UC42 <sup>3</sup>
400	0	0	0	0	0	Surf/Semi	Lever bypass	UG	UL	Formula A2	Formula A2	No	TSDR040UFCU <sup>3</sup>
	8	4	16	6	16	Surface	Lever bypass	UG	UL FMG	Formula A2	Formula A2	No	TSDR840UFCU <sup>3</sup>
	8	4	16	8	16	Semiflush	No	OH/UG	Georgia Power	Formula A2	Formula A2	Yes	TSDR840CFCUGP
	24	12	32	14	40	Surf/Semi	Lever bypass	UG	UL	Formula A2	Formula A2	No	TM2440RMRS <sup>1,2</sup>
	24	12	32	14	40	Surf/Semi	None	UG	UL EUSERC	Formula A2	Formula A2	No	TM2440RMS <sup>1,2</sup>
	24	12	32	14	42	Surf/Semi	Link bypass	UG	UL EUSERC	THQMV	THQMV	Yes	TSDA2440UC42 <sup>3</sup>

<sup>1</sup> For semi-flush applications, order surface enclosure load center and field installed kit, Ordering code SF400.

<sup>2</sup> Stud provisions only provided.

<sup>3</sup> 22 kAIC.

NOTE: Interrupting current rating is 10 kAIC if not noted in Ordering code.

### Application data

Ordering code	Ringless	Box number	Unit width (in inches)	Unit height (in inches)	Depth (in inches)	Factory inst. Main breaker	Main breaker	Field inst. main breaker	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit
TM2432RMS	No	R24	30-1/4	40	6	A2A	-	THQL	(1) 800 or (2) 400 compression type; (1) 1000 or (2) compression type; (1) 1000 or (2) 350 pressure type	(2) TGL2 (order separately)
TM2440RMS	No	R24	30-1/4	40	6	A2A	-	A2A	(1) 800 or (2) 400 compression type; (1) 1000 or (2) 350 pressure type	(2) TGL2 (order separately)
TSDA2432UC42	No	R24	30-1/4	40	6	A2A	-	THQL/THHQL	(1) 800 or (2) 400 compression type	(2) TGL2 (order separately)
TSDA2440UC42	No	R24	30-1/4	40	6	A2A	-	TQD/A2A	(1) 800 or (2) 400 compression type	(2) TGL2 (order separately)
TSD032UFCU	No	R33	30-1/4	33	6-3/32	A2N	-	THQL/THHQL	(1) 800 or (2) 400 compression type	(2) TGL2 (order separately)
TSDR032UFCU	Yes	R33	30-1/4	33	6-3/32	A2N200CTL-4	A2N200TW-2	A2N200CTL-4	3/0	TGL2, TGL4 & TGL8
TM2440RMRS	Yes	R24	30-1/4	40	6	A2A	-	A2A	(1) 800 or (2) 400 compression type; (1) 1000 or (2) 350 pressure type	(2) TGL2 (order separately)
TSDR830USCU	Yes	R33	30-1/4	33	6-3/32	A2N150CTL-2	A2N150TW-2	A2N150CTL-4	250 MCM	TGL2, TGL4 & TGL8
TSDR830CFCUGP	Yes	R33	30-1/4	33	6-3/32	A2N150CTL-2	A2N150TW-2	A2N150CTL-4	250 MCM	TGL2, TGL4 & TGL8
TSDR840CFCUGP	Yes	R33	30-1/4	33	6-3/32	A2N200CTL-2	A2N200TW-2	A2N200CTL-4	250 MCM	TGL2, TGL4 & TGL8
TSDR040UFCU	Yes	R33	30-1/4	33	6-3/32	A2N	-	TQD/A2N	(1) 800 or (2) 400 compression type	(2) TGL2 (order separately)
TSDR840UFCU	Yes	R33	30-1/4	33	6-3/32	A2N	-	TQD/A2N	(1) 800 or (2) 400 compression type	(2) TGL2 (order separately)

NOTE: Circuit breakers must be ordered separately. [Click here.](#)

## PowerMark Plus load centers

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## PowerMark Plus load centers

### Product overview



The PowerMark Plus three-phase load center is designed for use in commercial or high-rise residential units. The galvanized box and tin plated copper stabs ensure the reliability and durability of the load center. The product is available with the main circuit breaker factory installed or the main lugs factory installed.

#### Features

- UL Listed (Panelboards No. 67)
- Three-phase, four-wire, 208Y/120 V AC
- 60°/75°C Conductor Rating
- Suitable for Use as Service Entrance Equipment when Installed in Accordance with the National Electrical Code
- 22kAIC RMS symmetrical Short-circuit Rating Standard
- Bottom feed models available where noted with a “B” suffix.
- For a listing of CSA Listed load centers, visit [electrification.us.abb.com](http://electrification.us.abb.com).
- Copper breaker mounting stabs with aluminum bus<sup>1</sup>

### Ordering code construction

T	M	42	4	20	C	CU	B
ABB identification							
Type	M = Main breaker L = Main lug LM = Convertible PL = Main lug (Thermoplastic)						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. (Doors standard on all units 12 circuits or greater) W = White trim
Maximum number 1" spaces	2, 4, 6...42						Insert for PowerMark Gold CU = Copper Bus 42 = Copper Bus Full 42 circuit panel
Single phase = Omit this field							Front type C = Combination surface/flush F = Flush S = Surface R = Outdoor
Insert for 3-Phase 4-Wire Load Centers							Bus ampere rating 40 = 40 Amps      20 = 200 Amps 70 = 70 Amps      22 = 225 Amps 10 = 100 Amps 12 = 125 Amps 15 = 150 Amps

## PowerMark Plus load centers

### Main lug, factory installed, indoor (NEMA 1) enclosure, top/bottom feed

Main ampere rating	1 pole, 1" spaces	2 pole, 1" spaces	3 pole, 1" spaces	Total 1-pole spaces	Front type	Box number	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit	Ordering code
125	12	6	4	12	Combination	4	6-2/0	TGK12 (order separately) TGK24 (order separately)	TL12412C <sup>3</sup>
150	18	8	6	18	Combination	7	1-3/0 (Cu), 2/0-3/0 (Al)	TGK24 (order separately) TGK32 (order separately)	TL18415C <sup>3</sup>
	24	12	8	24	Combination	7	1-3/0 (Cu), 2/0-3/0 (Al)	TGK24 (order separately) TGK32 (order separately)	TL24415C <sup>3</sup>
200	18	8	6	18	Combination	8	1-250 (Cu), 2/0-250 (Al)	TGK32 (order separately)	TL18420C <sup>3</sup>
	30	14	10	30	Combination	11	1-250 (Cu), 2/0-250 (Al)	TGK32 (order separately)	TL30420C <sup>3</sup>
	42	20	14	42	Combination	13	1-250 (Cu), 2/0-250 (Al)	TGK42 (order separately)	TL42420C
225	30	14	10	30	Combination	15	1-300 (Cu), 2/0-300 (Al)	(2) TGL2 (order separately)	TL30422C <sup>4</sup>
	42	20	14	42	Combination	15	1-300 (Cu), 2/0-300 (Al)	(2) TGL2 (order separately)	TL42422C <sup>4</sup>

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

<sup>2</sup> Also UL Listed for three-phase, four-wire 240/120 Volts ac delta and three-phase, three-wire 240 Volts ac branch breakers installed.

<sup>3</sup> Alternate main breaker: 100 Amp max. THQL (10kAIC), THHQL (22kAIC) three-pole, use retainer THQLRK. See page 1-57.

<sup>4</sup> Not suitable for use as service entrance equipment.

**Note:** See page 11-6, RL Series Lighting Panelboards as replacements for 300-600A load centers.

**NOTE:** Circuit breakers must be ordered separately. [Click here.](#)



## PowerMark Plus load centers



TL12412R



TM42420C

### Main lug, factory installed<sup>1</sup>, outdoor (NEMA 3R) enclosure, top feed

Main ampere rating	1 pole, 1" spaces	2 pole, 1" spaces	3 pole, 1" spaces	Total 1-pole spaces	Box number	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit	Ordering code
125	12	6	4	12	R3	6-2/0	TGK12 or TGK24 (order separately)	TL12412R <sup>2</sup>
150	18	8	6	18	R4	1-3/0 (Cu), 2/0-3/0 (Al)	TGK24 or TGK32 (order separately)	TL18415R <sup>2</sup>
	24	12	8	24	R4	1-3/0 (Cu), 2/0-3/0 (Al)	TGK24 or TGK32 (order separately)	TL24415R <sup>2</sup>
200	18	8	6	18	R4	1-250 (Cu), 2/0-250 (Al)	TGK32 (order separately)	TL18420R <sup>2</sup>
	30	14	10	30	R6	1-250 (Cu), 2/0-250 (Al)	TGK32 (order separately)	TL30420R <sup>2</sup>
	42	20	14	42	R8	1-250 (Cu), 2/0-250 (Al)	TGK42 (order separately)	TL42420R <sup>3</sup>
225	42	20	14	42	R8	1-300 (Cu), 2/0-300 (Al)	TGK42 (order separately)	TL42422R <sup>3</sup>

<sup>1</sup> Also UL Listed for three-phase, four-wire 240/120 Volts ac delta and three-phase, three-wire 240 Volts ac branch breakers installed.

<sup>2</sup> Alternate main breaker 100 Amp max. THQL (10kAIC), THHQL (22kAIC) three-pole, use retainer THQLRK. See page 1-57.

<sup>3</sup> Not suitable for use as service entrance equipment.

### Main breaker, factory installed<sup>4</sup>, indoor (NEMA 1) enclosure

Main ampere rating	1 pole, 1" spaces	2 pole, 1" spaces	3 pole, 1" spaces	Total 1-pole spaces	Front type	Box number	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit	Ordering code
100	12	6	4	12	Combination	6	6-1/0 (Cu), 4-1/0 (Al)	TGK12 or TGK24 (order separately)	TM12410C <sup>5</sup>
	18	8	6	18	Combination	6	6-1/0 (Cu), 4-1/0 (Al)	TGK24 or TGK32 (order separately)	TM18410C <sup>5</sup>
125	30	14	10	30	Combination	12	1-3/0 (Cu), 2/0-3/0 (Al)	TGK32 (order separately)	TM30412C
	30	14	10	30	Combination	12	1-3/0 (Cu), 2/0-3/0 (Al)	TGK32 (order separately)	TM30412CB
150	24	12	8	24	Combination	11	1-3/0 (Cu), 2/0-3/0 (Al)	TGK32 (order separately)	TM24415C
	24	12	8	24	Combination	11	1-3/0 (Cu), 2/0-3/0 (Al)	TGK32 (order separately)	TM24415CB
	30	14	10	30	Combination	12	1-3/0 (Cu), 2/0-3/0 (Al)	TGK32 (order separately)	TM30415C
	30	14	10	30	Combination	12	1-3/0 (Cu), 2/0-3/0 (Al)	TGK32 (order separately)	TM30415CB
	42	20	14	42	Combination	15	1-3/0 (Cu), 2/0-3/0 (Al)	TGK42 (order separately)	TM42415C
	42	20	14	42	Combination	15	1-3/0 (Cu), 2/0-3/0 (Al)	TGK42 (order separately)	TM42415CB
200	24	12	8	24	Combination	12	1-300 (Cu), 2/0-300 (Al)	TGK32 (order separately)	TM24420C
	24	12	8	24	Combination	12	1-300 (Cu), 2/0-300 (Al)	TGK32 (order separately)	TM24420CB
	30	14	10	30	Combination	13	1-250 (Cu), 2/0-250 (Al)	TGK32 (order separately)	TM30420C
	30	14	10	30	Combination	13	1-250 (Cu), 2/0-250 (Al)	TGK32 (order separately)	TM30420CB
	42	20	14	42	Combination	14	1-250 (Cu), 2/0-250 (Al)	TGK42 (order separately)	TM42420C
	42	20	14	42	Combination	14	1-250 (Cu), 2/0-250 (Al)	TGK42 (order separately)	TM42420CB
225	42	20	14	42	Combination	15A	1-300 (Cu), 2/0-300 (Al)	(2) TGL2 (order separately)	TM42422C
	42	20	14	42	Combination	15A	1-300 (Cu), 2/0-300 (Al)	(2) TGL2 (order separately)	TM42422CB

<sup>4</sup> Also UL Listed for three-phase, four-wire 240/120 Volts Hi leg delta and three-phase, three-wire 240 Volts ac branch breakers installed.

<sup>5</sup> 100 Amp indoor devices UL listed for bottom-feed by installing complete unit upside-down.

**Note:** See page 11-6, RL Series Lighting Panelboards as replacements for 300-600A load centers.

**NOTE:** Circuit breakers must be ordered separately. [Click here.](#)

## PowerMark Plus load centers



TM30420R

### Main breaker, factory installed, outdoor (NEMA 3R) enclosure, top feed

Main ampere rating	1 pole, 1" spaces	2 pole, 1" spaces	3 pole, 1" spaces	Total 1-pole spaces	Box number	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit	Ordering code
100	18	8	6	18	R4	6-1/0 (Cu), 4-1/0 (Al)	TGK24 or TGK32 (order separately)	TM18410R
125	30	14	10	30	R7	1-3/0 (Cu), 2/0-3/0 (Al)	TGK32 (order separately)	TM30412R
150	24	12	8	24	R6	1-3/0 (Cu), 2/0-3/0 (Al)	TGK32 (order separately)	TM24415R
	30	14	10	30	R7	1-3/0 (Cu), 2/0-3/0 (Al)	TGK32 (order separately)	TM30415R
200	30	14	10	30	12A	1-250 (Cu), 2/0-250 (Al)	TGK32 (order separately)	TM30420R
	42	20	14	42	R8	1-250 (Cu), 2/0-250 (Al)	TGK42 (order separately)	TM42420R
225	42	20	14	42	16A	1-300 (Cu), 2/0-300 (Al)	TGK42 (order separately)	TM42422R

**Note:** See page 11-6, RL Series Lighting Panelboards as replacements for 300-600A load centers.

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## PowerMark Gold generator panels

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## PowerMark Gold generator panels



Quickly and easily connect a residential generator with the homes electrical system. It is the ideal on/off switching system that allows the homeowner to change between power provided by the electrical utility and the generator. PowerMark Gold main breaker generator panel helps to ensure the continuous operation of critical appliances such as lighting, refrigerators, air conditioning, and water heaters.

### Features

- Single-phase, three-wire, 120/240 V AC
- 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 circuit breaker mechanism ensures that only one source is active at a time.



### Main breaker, two interlocked, indoor (NEMA 1) enclosure, top/bottom feed

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	Box number	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit	Ordering code
30	4	2	8	4	8	Flush	3A	6-1	TGK12 included	TM830FCUGEN
	4	2	8	4	8	Surface	3A	6-1	TGK12 included	TM830SCUGEN
60	4	2	8	4	8	Flush	3A	6-1	TGK12 included	TM860FCUGEN
	4	2	8	4	8	Surface	3A	6-1	TGK12 included	TM860SCUGEN

### Main breaker, two interlocked, outdoor (NEMA 3R) enclosure, top feed

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	Box number	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit	Ordering code
30	4	2	8	4	8	R2A	6-1	TGK12 included	TM830RCUGEN
60	4	2	8	4	8	R2A	6-1	TGK12 included	TM860RCUGEN

NOTE: Circuit breakers must be ordered separately. [Click here.](#)

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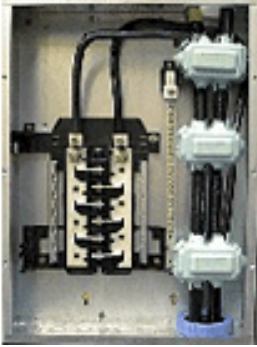
## PowerMark Gold riser panels

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## PowerMark Gold riser panels



The PowerMark Gold Riser Panel is designed with an offset interior, enabling riser cables to go through the larger gutter to the side of the interior. Typical applications include multi-story buildings such as apartments, condominiums, and dormitories. The gutter tap kits allow the installer to easily tap off of the riser cables to the riser panel's main lugs.

### Features

- Single phase, three-wire, 120/240 V AC
- Offset interior allowing 4 5/8 inches of gutter space to allow use of tap kits, (1) tap kit per phase
- Interior mounting allows either gutter location, left or right side
- Accepts 22kAIC rated main breaker, series rated 22/10
- Sturdy copper bus and galvanized box increase durability and reliability

### Indoor (NEMA 1) enclosure, top feed

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	Box number	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit	Ordering code
125	12	6	24	10	24	Combination	4A	6-2/0	TGK12 (order separately)	TLM1212CCURP <sup>1</sup>
	20	10	40	20	40	Combination	9A	6-2/0	(2) TGK12 (order separately)	TLM2012CCURP <sup>1</sup>
200	40	20	0	0	40	Combination	20	6-250	TGK24 and TGK12 (order separately)	TLM4020CCURP <sup>2</sup>

<sup>1</sup> For main breaker, order TQMH000. See page 1-48. Also order 2-pole THQL, THHQL, or TXQL circuit breaker. See page 1-43.

Tap kits required, order separately. See page 1-59.

<sup>2</sup> For main breaker, order THQMVXXD circuit breaker from page 1-48.

Auxiliary gutters available. See page 1-59.

### Indoor (NEMA 1) enclosure, top feed, white trim

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	Box number	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit	Ordering code
125	20	10	40	20	40	Combination	9A	6-2/0	(2) TGK12 (order separately)	TLM2012CCURPW <sup>1</sup>

<sup>1</sup> For main breaker, order TQMH000. See page 1-48. Also order 2-pole THQL, THHQL, or TXQL circuit breaker. See page 1-43.

Tap kits required, order separately. See page 1-59.

<sup>2</sup> For main breaker, order THQMVXXD circuit breaker from page 1-48.

Auxiliary gutters available. See page 1-59.

NOTE: Circuit breakers must be ordered separately. [Click here.](#)

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## PowerMark Gold pool and spa panels

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## PowerMark Gold pool and spa panels



GFCI PowerMark Gold pool and spa panels supply power and protect a spa, pool, or any other outdoor area simply and economically. They feature ground fault circuit interrupter (GFCI) for maximum protection, and provide spaces for up to four additional circuit breakers. Moreover, GFCI PowerMark Gold pool and spa panels come with factory-installed neutral and ground bars along with a raintight hub for either top or bottom-feed.

### Features

- Single-phase, three-wire, 120/240 V AC
- Expandable with up to four additional circuits
- Two versions: 50A or 60A 2-pole GFCI circuit breaker installed
- Factory-installed neutral and ground bar included
- Bottom or top feed (raintight hub included)
- Equipment ground kit installed

### Outdoor (NEMA 3R) enclosure, top/bottom feed

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	Load center type	Box number	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit	Ordering code
125	4	2	8	4	8	Factory Included 50A GFCI	-	1-2/0	TGL1 installed	TL412R250GF
	4	2	8	4	8	Factory Included 60A GFCI	-	1-2/0	TGL1 installed	TL412R260GF

### Twist lock power inlets

Receptacles	Amps	Volts	UL	Ordering code
L14-20	20	120/240	Canada, US	T020N
L14-30	30	120/240	Canada, US	T030N
CS637	50	120/240	Canada, US	T050N

NOTE: Circuit breakers must be ordered separately. [Click here.](#)



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## Load center circuit breakers

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## Load center circuit breakers

### Product overview



A full range of load center circuit breakers to fit almost any application.

#### Features

- Plug-on, short-pigtail, and long pigtail neutral options.
- Unique sizing as narrow as 1/2"
- Arc-Fault Circuit Interrupter (AFCI) can detect and interrupt arcing caused by damaged wire insulation or a frayed extension cord.
- Ground Fault Circuit Interrupter (GFCI)
- The NEC requires ground fault protection of receptacles outdoors and in garages, bathrooms, and spa areas.
- Dual Function Circuit Interrupter (DFCI) combine the functions of both the
- AFCI and GFCI circuit breakers in a cost effective and simple package.

#### Ordering code construction

	T	H	QL	1	1*	15	P	GFT
ABB identification								
Interrupting rating								Ground fault/arc fault circuit interrupter
H = 10kAIC								AF2 = 1-pole combination arc fault circuit interrupter
HH = 22kAIC								GFEF = 1- & 2-pole ground fault with equipment protection interrupter-30 mA
X = 65kAIC								GFT = 1- & 2-pole ground fault with self-test feature interrupter - 5 mA
Type								DF = 1-pole dual function GFCI/AFCI ground fault & combination arc fault circuit interrupter
QL = 1" plug-in								
QP = 1/2" plug-in								
QB = 1" bolt-on								
Poles (1, 2, 3)								P = Insert for plug-on neutral connection
Voltage								
1 = 120/240V								
2 = 240V								
*Omit character for THQP circuit breakers, which are all 120/240V.								

# Load center circuit breakers

## Q-Line plug-in residential circuit breakers

### Features

- UL Listed (Molded case circuit breakers no. 489)
- Federal government specification qualified (WC-375B)
- 60°C / 75°C conductor rating
- Quick make, quick break
- Box type terminals

### Q-Line plug-in circuit breakers specifications

Breaker type	Ampere rating	Wire size AWG/kcmil <sup>1</sup>	
		Cu	Al
THQP	15-30	14-8	12-8
	35-50	8-4	8-4
THQL	15-30	14-8	12-8
THHQL	35-60	8-3	8-3
TXQL	70-100	6-1/0	4-1/0
	110-125	2-2/0	2-2/0

<sup>1</sup> Solid or stranded for 14-10 AWG

### Q-line plug-in circuit breakers, UL489

120/240 Vac Ampere rating	10,000AIC		22,000AIC		65,000AIC
	Type THQP 1/2-inch module	Type THQL 1-inch module	Type THHQL 1-inch module		Type TXQL 1-inch module
	120/240 Vac Ordering code	120/240 Vac Ordering code	240 Vac Ordering code	120/240 Vac Ordering code	120/240 Vac Ordering code

#### Single pole<sup>1</sup>

15 <sup>2</sup>	THQP115	THQL1115	-	THHQL1115	-	TXQL1115
20 <sup>2</sup>	THQP120	THQL1120	-	THHQL1120	-	TXQL1120
25	THQP125	THQL1125	-	THHQL1125	-	TXQL1125
30	THQP130	THQL1130	-	THHQL1130	-	TXQL1130
35	THQP135	THQL1135	-	THHQL1135	-	-
40	THQP140	THQL1140	-	THHQL1140	-	-
45	THQP145	THQL1145	-	THHQL1145	-	-
50	THQP150	THQL1150	-	THHQL1150	-	-
<b>Std. Pkg.</b>	<b>5 cartons of 20</b>	<b>5 cartons of 10</b>		<b>5 cartons of 10</b>		<b>5 cartons of 10</b>

#### Two-pole<sup>2</sup>: Incorporates internal common trip bar

15	THQP215	THQL2115	THQL22015 <sup>4</sup>	THHQL2115	THHQL22015 <sup>4</sup>	TXQL2115
20	THQP220	THQL2120	THQL22020 <sup>4</sup>	THHQL2120	THHQL22020 <sup>4</sup>	TXQL2120
25	THQP225	THQL2125	THQL22025 <sup>4</sup>	THHQL2125	THHQL22025 <sup>4</sup>	TXQL2125
30	THQP230	THQL2130	THQL22030 <sup>4</sup>	THHQL2130	THHQL22030 <sup>4</sup>	TXQL2130
35	THQP235	THQL2135	THQL22035 <sup>4</sup>	THHQL2135	THHQL22035 <sup>4</sup>	-
40	THQP240	THQL2140	THQL22040 <sup>4</sup>	THHQL2140	THHQL22040 <sup>4</sup>	-
45	THQP245	THQL2145	THQL22045 <sup>4</sup>	THHQL2145	THHQL22045 <sup>4</sup>	-
50	THQP250	THQL2150	THQL22050 <sup>4</sup>	THHQL2150	THHQL22050 <sup>4</sup>	-
60	-	THQL2160	THQL22060 <sup>4</sup>	THHQL2160	THHQL22060 <sup>4</sup>	-
70	-	THQL2170	THQL22070 <sup>4</sup>	THHQL2170	THHQL22070 <sup>4</sup>	-
80	-	THQL2180	THQL22080 <sup>4</sup>	THHQL2180	THHQL22080 <sup>4</sup>	-
90	-	THQL2190	THQL22090 <sup>4</sup>	THHQL2190	THHQL22090 <sup>4</sup>	-
100	-	THQL21100	THQL22100 <sup>4</sup>	THHQL21100	THHQL22100 <sup>4</sup>	-
110	-	THQL21110	-	THHQL21110	-	-
125	-	THQL21125	-	THHQL21125	-	-
<b>Std. pkg.</b>	<b>5 cartons of 5</b>	<b>5 cartons of 5</b>	<b>5 cartons of 5</b>	<b>5 cartons of 5</b>	<b>5 cartons of 5</b>	<b>5 cartons of 5</b>

#### Three-pole<sup>3</sup>: Incorporates internal common trip bar

15	-	-	THQL32015	-	THHQL32015	TXQL32015
20	-	-	THQL32020	-	THHQL32020	TXQL32020
25	-	-	THQL32025	-	THHQL32025	TXQL32025
30	-	-	THQL32030	-	THHQL32030	TXQL32030
35	-	-	THQL32035	-	THHQL32035	-
40	-	-	THQL32040	-	THHQL32040	-
45	-	-	THQL32045	-	THHQL32045	-
50	-	-	THQL32050	-	THHQL32050	-
60	-	-	THQL32060	-	THHQL32060	-
70	-	-	THQL32070	-	THHQL32070	-
80	-	-	THQL32080	-	THHQL32080	-
90	-	-	THQL32090	-	THHQL32090	-
100	-	-	THQL32100	-	THHQL32100	-
<b>Std. pkg.</b>			<b>5 cartons of 3</b>		<b>5 cartons of 3</b>	<b>5 cartons of 3</b>

<sup>1</sup> UL Listed as HACR (heating, air conditioning and refrigeration).

<sup>2</sup> UL Listed as SWD (switching duty). Suitable for 120 volts ac fluorescent lighting loads.

<sup>3</sup> 15-100 amp UL Listed as HACR (heating air conditioning and refrigeration).

<sup>4</sup> Required for three-phase and High Leg Delta Systems only.



THQP130



THQP230



THQL1120



THQL2140



THQL32015

## Load center circuit breakers

### Special purpose circuit breakers

**Features**

- 60°C / 75°F conductor rating
- Box type terminals

- Quick-make, quick-break
- Multi-pole circuit breakers incorporate internal common trip



THQL1115DF



THQL1115PDF



THQL1115GFT



THQL1115GFTS

**Arc fault circuit interrupter (AFCI circuit breaker), UL1699**

	Ampere rating	1-pole, 120/240 volts ac <sup>1</sup>		1-pole, 120/240 volts ac	1-pole, 120/240 volts ac
		Ordering code		Ordering code	Ordering code
		Long pig tail	Short pig tail	Short pig tail	Plug-on neutral
<b>10,000 AIC</b>					
	15	THQL1115AF2		THQL1115AF2S	THQL1115PAF2
	20	THQL1120AF2		THQL1120AF2S	THQL1120PAF2
<b>22,000 AIC</b>					
	15	THHQL1115AF2		-	THHQL1115PAF2
	20	THHQL1120AF2		-	THHQL1120PAF2
<b>Std. pkg.</b>			<b>10 cartons of 1</b>		-

<sup>1</sup> Combination AFCI compliant with 2008 NEC™ and later

<sup>2</sup> For 2-Pole shared neutral applications use two 1-pole circuit breakers with a handle tie. See DET-719 for more details on our Arc Fault products.

**Dual function (DFCI/AFCI) ground fault & combination arc fault circuit breaker**

	Ampere rating	1-pole, 120/240 volts ac		1-pole, 120/240 volts ac	1-pole, 120/240 volts ac
		Ordering code		Ordering code	Ordering code
		Long pig tail	Short pig tail	Short pig tail	Plug-on neutral
<b>10,000 AIC</b>					
	15	THQL1115DF		THQL1115DFS	THQL1115PDF
	20	THQL1120DF		THQL1120DFS	THQL1120PDF
<b>22,000 AIC</b>					
	15	THHQL1115DF		-	THHQL1115PDF
	20	THHQL1120DF		-	THHQL1120PDF
<b>Std. pkg.</b>			<b>10 cartons of 1</b>		-

**Ground fault with self-test feature circuit breaker, UL943 ed5 (5ma)**

	Ampere rating	1-pole, 120 volts ac		1-pole, 120 volts ac	1-pole, 120 volts ac	2-pole, 120/240 volts ac	2-pole, 120/240 volts ac
		Ordering code		Ordering code	Ordering code	Ordering code	Ordering code
		Long pig tail	Short pig tail	Short pig tail	Plug-on neutral	Long pig tail	Plug-on neutral
<b>10,000 AIC</b>							
	15	THQL1115GFT		THQL1115GFTS	THQL1115PGFT	THQL2115GFT	THQL2115PGFT
	20	THQL1120GFT		THQL1120GFTS	THQL1120PGFT	THQL2120GFT	THQL2120PGFT
	25	THQL1125GFT		-	THQL1125PGFT	THQL2125GFT	THQL2125PGFT
	30	THQL1130GFT		-	THQL1130PGFT	THQL2130GFT	THQL2130PGFT
	40	-		-	-	THQL2140GFT <sup>3</sup>	-
	50	-		-	-	THQL2150GFT <sup>3</sup>	-
<b>22,000 AIC</b>							
	15	THHQL1115GFT		-	THHQL1115PGFT	THHQL2115GFT	THHQL2115PGFT
	20	THHQL1120GFT		-	THHQL1120PGFT	THHQL2120GFT	THHQL2120PGFT
	25	THHQL1125GFT		-	THHQL1125PGFT	THHQL2125GFT	THHQL2125PGFT
	30	THHQL1130GFT		-	THHQL1130PGFT	THHQL2130GFT	THHQL2130PGFT
<b>Std. pkg.</b>			<b>10 cartons of 1</b>		-		-

<sup>3</sup> UL & CSA

## Load center circuit breakers

### Special purpose circuit breakers



THQL2115GFEP

#### Ground fault with equipment protection circuit breaker, UL 943 (30 ma)

	Ampere rating	1-pole, 120 volts ac	2-pole, 120/240 volts ac
		Ordering code	Ordering code
<b>10,000 AIC</b>			
	15	THQL1115GFEP	THQL2115GFEP
	20	THQL1120GFEP	THQL2120GFEP
	30	THQL1130GFEP	THQL2130GFEP
<b>22,000 AIC</b>			
	15	-	THHQL2115GFEP
	20	-	THHQL2120GFEP
<b>Std. pkg.</b>		<b>10 cartons of 1</b>	<b>10 cartons of 1</b>



THQL21WY30

#### Switching neutral circuit breakers

UL Listed. 10kAIC RMS symmetrical.

Standard 1- or 2-pole automatic circuit breaker plus one fully-rated, non-automatic pole.

	Ampere rating	1-pole plus switching neutral 120/240 volts ac	2-pole plus switching neutral 120/240 volts ac
		Ordering code	Ordering code
<b>10,000 AIC</b>			
	15	THQL21WY15	THQL31WY15
	20	THQL21WY20	THQL31WY20
	25	THQL21WY25	THQL31WY25
	30	THQL21WY30	THQL31WY30
<b>Std. pkg.</b>		<b>5 cartons of 5</b>	<b>5 cartons of 3</b>



THQL2120HID

#### HID lighting circuit breakers

UL Listed as HID. HID breakers have been designed to handle the current and voltage spikes that result when gaseous discharge lamps, including fluorescent and HID lamps, are switched on and off.

	Ampere rating	1-pole, 120/240 volts ac	2-pole, 120/240 volts ac
		Ordering code	Ordering code
<b>10,000 AIC</b>			
	15	THQL1115HID <sup>2</sup>	THQL2115HID
	20	THQL1120HID <sup>2</sup>	THQL2120HID
	30	THQL1130HID	THQL2130HID
<b>22,000 AIC</b>			
	15	THHQL1115HID <sup>2</sup>	THHQL2115HID
	20	THHQL1120HID <sup>2</sup>	THHQL2120HID
	30	THHQL1130HID	THHQL2130HID
<b>Std. pkg.</b>		<b>5 cartons of 10</b>	<b>5 cartons of 5</b>

<sup>2</sup> UL Listed as SWD (switching duty). Suitable for 120 volts ac fluorescent lighting loads.



THQL1140HM

#### High magnetic circuit breakers

UL Listed. 10kAIC RMS symmetrical

High short circuit setting suitable for circuits with inherent high-inrush load currents.

	Ampere rating	1 pole, 120 volts ac
		Ordering code
	15	THQL1115HM
	20	THQL1120HM
	25	THQL1125HM
	30	THQL1130HM
	40	THQL1140HM
	50	THQL1150HM
<b>Std. pkg.</b>		<b>5 cartons of 10</b>

## Load center circuit breakers

Special purpose switches and circuit breakers



TQL21Y100

### Molded case switches

UL Listed

Without overload or short circuit protection.

	Ampere rating	2-pole	3-pole
		Ordering code	Ordering code
<b>120/240 Volts ac</b>			
	60	TQL21Y60	-
	100	TQL21Y100	-
<b>240 Volts ac</b>			
	60	TQL22Y60	TQL32Y60
	100	TQL22Y100	TQL32Y100
<b>Std. pkg.</b>		<b>5 cartons of 5</b>	<b>5 cartons of 3</b>



THQL1130ST1

### Interlocking circuit breakers for use in PowerMark Gold generator panels

Two circuit breakers required for interlocking.

Poles	Ampere rating	Ordering code
2	30	THQL2130GEN
2	60	THQL2160GEN



THQL2120ST1

### THQL circuit breakers with factory installed shunt trip<sup>1</sup>

# of poles	Ampere rating	Wire range <sup>2</sup>	120/240 Vac Interrupting rating	Ordering code
1	15	(1) 14-8 Cu/12-8 Al	10kA	THQL1115ST1
1	20	(1) 14-8 Cu/12-8 Al	10kA	THQL1120ST1
1	30	(1) 14-8 Cu/12-8 Al	10kA	THQL1130ST1
1	35	(1) 8-3 Cu/8-3 Al	10kA	THQL1135ST1

<sup>1</sup> Shunt trip requires one additional pole of space.



THQL32020ST1

### THQL circuit breakers, internal common trip with factory installed shunt trip<sup>1</sup>

# of poles	Ampere rating	Wire range <sup>2</sup>	120/240 Vac Interrupting rating	Ordering code
2	15	14-8 Cu/12-8 Al	10kA	THQL2115ST1
2	20	14-8 Cu/12-8 Al	10kA	THQL2120ST1
2	30	14-8 Cu/12-8 Al	10kA	THQL2130ST1
2	35	8-3 Cu/8-3 Al	10kA	THQL2135ST1
2	40	8-3 Cu/8-3 Al	10kA	THQL2140ST1
2	45	8-3 Cu/8-3 Al	10kA	THQL2145ST1
2	50	8-3 Cu/8-3 Al	10kA	THQL2150ST1
2	60	8-3 Cu/8-3 Al	10kA	THQL2160ST1
2	70	6-1/0 Cu/4-1/0 Al	10kA	THQL2170ST1
2	80	6-1/0 Cu/4-1/0 Al	10kA	THQL2180ST1
2	90	6-1/0 Cu/4-1/0 Al	10kA	THQL2190ST1
2	100	6-1/0 Cu/4-1/0 Al	10kA	THQL21100ST1
3	20	14-8 Cu/12-8 Al	10kA	THQL32020ST1
3	30	14-8 Cu/12-8 Al	10kA	THQL32030ST1
3	40	8-3 Cu/8-3 Al	10kA	THQL32040ST1
3	50	8-3 Cu/8-3 Al	10kA	THQL32050ST1
3	60	8-3 Cu/8-3 Al	10kA	THQL32060ST1
3	70	6-1/0 Cu/4-1/0 Al	10kA	THQL32070ST1
3	80	6-1/0 Cu/4-1/0 Al	10kA	THQL32080ST1
3	90	6-1/0 Cu/4-1/0 Al	10kA	THQL32090ST1
3	100	6-1/0 Cu/4-1/0 Al	10kA	THQL32100ST1

<sup>2</sup> Solid or stranded for 14-10 AWG.

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## Circuit breaker accessories

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## Circuit breaker accessories



THQMV100E with filler plates



THQMV200E



TQM000



THL103



THT1



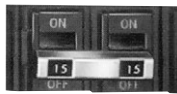
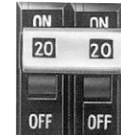
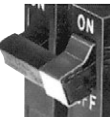
THT104



THT2



TQHT1



### PowerMark Gold main circuit breaker kit for use in 150A, 200A, & 225A convertible load centers

- Example - TLMXX20CCU - 200A Convertible Load Center
- Includes mounting base
- Not for use in 125A and below Convertible Load Centers (TLMXX12CCU)
- Main Breaker Conversions for 125A load centers - see footnotes for individual catalog numbers

Description	Ampere rating	Ordering code	Lug size
Main circuit breaker kits 22,000 AIC	100	THQMV100E	1-300 (cu), 2/0-300
	125	THQMV125E	
	150	THQMV150E	
	175	THQMV175E	
	200	THQMV200E	
	225	THQMV225E	

**Note:** Wire bending rules affect allowed wire sizes when THQMV breakers are installed in an enclosure. For load centers, the wire range will be on the rating label. In addition, refer to the specifications for the main breaker versions of the load center you are considering to review allowed wire ranges when a TLMXX20 load center is converted to main breaker.

### PowerMark main circuit breaker kit

For use with 125A PowerMark PRO and Gold load Centers; 22kAIC RMS symmetrical.

Description	Ordering code
Main Circuit Breaker Kit - Order appropriate THQL 10kAIC or THHQL 22kAIC breakers separately. Includes service barriers for use with THQL or THHQL main.	TQM000 <sup>1</sup>

<sup>1</sup> Please review the footnotes listed with the individual Load Center ordering codes for proper parts needed to convert to a main circuit breaker. This main breaker base is only applicable for 16 circuit and larger 125 amp load centers, 12 circuit load centers with A C24 suffix, and the TLM812RCU2.

### Handle locks - Non padlocking

Description	Breaker type	Ordering code
THQP non padlocking handle lock	THQP	TQPL
THQL non padlocking handle lock	THQL	THL103

Snap on handle lock

### Handle ties

Description	Breaker type	Ordering code
Handle ties for THQP breakers - solid snap-on trip indicating	THQP	THT1 <sup>1</sup>
Handle ties for THQP breakers - For 2 THQPs separated by 2 side-by-side THQPs	THQP	THT2 <sup>1</sup>
Snap-on handle tie - trip indicating	TQB	TQHT1 <sup>1</sup>
	TQC	
	TQL	
Snap-on handle tie - solid	TQB	THT104 <sup>1</sup>
	TQC	
	TQL	
Multiwire branch breaker handle tie kits	TQB	TQ3HTK <sup>2</sup>
	TQC	TQ4HTK <sup>3</sup>
	TQL	

All multi-pole breakers have internal common trip  
Handle ties provide manual on-off capability only between one-pole devices

<sup>1</sup> For two single-pole breakers

<sup>2</sup> For three single-pole breakers - kit includes (10) pcs.

<sup>3</sup> For four single-pole breakers - kit includes (10) pcs.



## Circuit breaker accessories



TQ1120



TQ2120

### TQ circuit breakers

3/4" UL Classified Circuit Breakers for use in \*Square D \*\*QO Load Centers.  
10 kAIC RMS symmetrical

Ampere rating	1-pole	2-pole
	Ordering code	Ordering code
15	TQ1115	TQ2115
20	TQ1120	TQ2120
30	TQ1130	TQ2130
40	TQ1140	TQ2140
50	TQ1150	TQ2150
60	-	TQ2160
<b>Std. pkg.</b>	<b>1 carton of 10</b>	<b>1 carton of 5</b>

\*Square D is a registered trademark of SNA Holdings, Inc. \*\*QO is a registered trademark of the Square D Company.

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## Surge protectors

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## Surge protectors



THQLSURGE



THOMESURGE

### Ask an Expert

SurgePro™ is a Type 1 SPD designed for installation with PowerMark™ PRO or load centers of any brand used in service entrance or sub-panel locations. SurgePro provides immediate and reliable protection for sensitive electronics and appliances within the entire home.

SurgePro helps you comply with NEC® 2020 Art.230.67 surge protection requirements for new home construction or renovation.

### Features & Benefits

- Versatile design
- Install it with load centers of any brand
- Protects sensitive electronics throughout the entire home
- Code compliant
- Industry-standard surge ratings to meet the requirements for new home construction and renovation
- Contractor-friendly
- Installation is quick and easy, without taking up breaker spaces
- Easy diagnostics
- LED light indicates the operational status of the SPD, letting you know when it is time to replace the SPD

### Surge protectors, NEMA Type 1

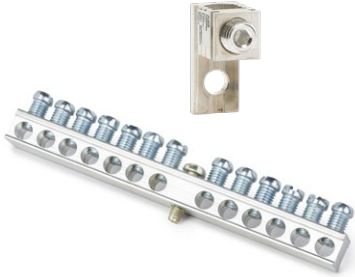
Description	System voltage	Per phase surge rating	Short circuit rating	Nominal discharge rating	Ordering code
SurgePro panel-mount	120/240 VAC	25 kA	100 kA	10 kA	THQLSURGE
SurgePro externally mounted	120/240 VAC	36 kA	200 kA	10 kA	THOMESURGE

## Load center field installed accessories

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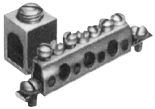
## Load center field installed accessories



A full line of field installable load center accessories helps you create the perfect load center for every application.



TGL2



TGL20 combined with TGL1



TGK12



TGK12 with TGKIS

### PowerMark Plus equipment grounds

Description	Standard package quantity	Ordering code
(4) 14-8Cu/12-8AL, (3) 14-4Cu/6-4AL	20	TGL1
(11) 14-8Cu/12-8AL, (3) 14-4Cu/6-4AL	20	TGL2 <sup>1</sup>
(7) 14-8Cu/12-8AL, (3) 14-4Cu/6-4AL, (2) 14-4Cu/12-4AL, (1) 14-2Cu/AL	20	TGL8 <sup>1</sup>
(1) 6-2/0Cu/Al number of terminals, equipment ground kits	20	TGL20 <sup>2</sup>
(3) 10-1/0 Cu/Al number of terminals for 400 and 600 Amp	1	TNG3 <sup>3</sup>
(6) 10-1/0 Cu/Al number of terminals for 400 and 600 Amp	1	TNG6 <sup>4</sup>

<sup>1</sup> TGL2, TGL4 and TGL8 mount interchangeably

<sup>2</sup> Add-on Equipment Ground Lug (for use on any TGL Kit)

<sup>3</sup> Suitable for use with up to six TPLUG108 lugs or six crimp lugs per pole

### PowerMark PRO and Gold equipment ground and isolated ground bar kits<sup>4,5</sup>

Description	Wire range	Standard package quantity	Ordering code
4-hole ground	(1) 14-4	1	TGK4
8-hole ground	(1) 14-4	1	TGK8
12-hole ground	(1) 14-4	1	TGK12
22-hole ground	(1) 14-4	1	TGK24
32-hole ground	(1) 14-4	1	TGK32
42-hole ground	(1) 14-4	1	TGK42

<sup>4</sup> 6-12 circuit indoor load centers use PowerMark Plus style neutrals and grounds

<sup>5</sup> Add TGKIS for isolated ground and mount to ground kit.

## Load center field installed accessories



192A7663G13



286A8894G1



TNLK250



TLK20



TLK250



TGK12 with TGK15



THLK2125

### PowerMark Plus neutral kits

Description	Wire range	Standard package quantity	Ordering code
400 & 600 Amp PowerMark Plus™ Neutral Kit	(5) 14-1/0	1	TNLK1 <sup>1</sup>
400 & 600 Amp PowerMark Plus™ Neutral Kit	(3) 1-300	1	TNLK2 <sup>1</sup>
Add-on neutral lug for 100-200 Amp PowerMark Plus load centers	6-2/0	1	286A8894G1
Add-on neutral lug for 100-200 Amp PowerMark Plus load centers	1-300 Cu or 2/0-300 Al	1	192A7663G13

<sup>1</sup> Suitable for use with up to six TPLUG108 lugs or six crimp lugs per pole

### PowerMark PRO and Gold neutral kits

Description	Wire range	Standard package quantity	Ordering code
PowerMark PRO and Gold Neutral Kit - Mounted on top of neutral only	6-2/0	1	TNLK20
PowerMark PRO and Gold Neutral Kit - Mounted on top of neutral only	6-250	1	TNLK250

### PowerMark PRO and Gold neutral/ground lug kits

Mounted on any neutral or ground position by removing the termination screw

Description	Wire range	Standard package quantity	Ordering code
Neutral/ground lug kit	6-2/0	1	TLK20
Neutral/ground lug kit	6-250	1	TLK250
Neutral/ground lug kit	6-300	1	TLK300

### Isolated ground bus bars equipment ground kit

Description	Standard package quantity	Ordering code
Isolated ground bar kit (order with TGK equipment ground kits)	1	TGK15
Isolated ground bar feet (order with TGK8)	1	TGK152

### Subfeed lug kits

Description	Standard package quantity	Ordering code
125A 2 pole plug-in	1	THLK2125
150A 2 pole plug-in - For use with PowerMark Gold only	1	THLK2150
200A 2 pole plug-in - For use with PowerMark Gold only	1	THLK2200
125A 3 pole plug-in - For use with 3 phase only	1	THLK3125
225A 3 pole plug-in - For use with 3 phase only	1	THLK3225

### Sub-feed and feed-thru lugs

UL Listed

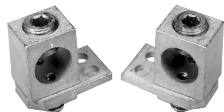
For use in load centers to economically supply power to a subpanel.

Poles	Ampere rating	Ordering code
2	125	THLK2125
3	125	THLK3125 <sup>2</sup>
2	150	THLK2150 <sup>1</sup>
2	200	THLK2200 <sup>1</sup>
3	225	THLK3225 <sup>2</sup>

<sup>1</sup> For use with PowerMark Gold load centers only

<sup>2</sup> For use with three-phase load centers only. Includes mounting base.

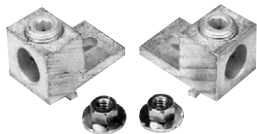
## Load center field installed accessories



THLK200

### PowerMark Plus™ main lug kits

Description	Wire range (Cu/Al)	Ordering code
150 Amp PowerMark Plus™ replacement main lug kit	2-3/0	THLK150
200 Amp PowerMark Plus™ replacement main lug kit	1-250	THLK200



TMLK200

### PowerMark PRO and Gold main lug kits

Description	Wire range (Cu/Al)	Ordering code
125 Amp PowerMark PRO and Gold replacement main lug kit	6-2/0	TMLK125
200 Amp PowerMark PRO and Gold replacement main lug kit	6-250	TMLK200
225 Amp PowerMark PRO and Gold replacement main lug kit	6-300	TMLK225

For replacement of main lugs on 125 amp load centers; TLM load centers include main lugs.



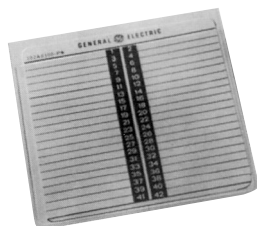
TDL106

### Door lock

Description	Standard package quantity	Ordering code
For indoor load centers larger than 12 circuits (Does not fit TPL412)	10	TDL106

### Circuit directory

Description	Standard package quantity	Ordering code
Card and holder with pressure-sensitive backing. Mounts inside the door.	1	TD42



TD42

### Touch-up paint

Description	Standard package quantity	Ordering code
12 3/4 oz. spray can of light gray enamel	1	TSP61



TSP61

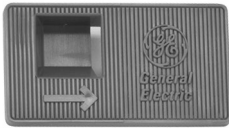
## Load center field installed accessories



TFH



TC150



TRL22



LCCROSSARM

### Front filler plates

Description	Standard package quantity	Ordering code
1/2" front filler plate	100	TFH
1" front filler plate	50	TQLFP1

Covers 1/2" rectangular breaker knockouts  
Covers 1" rectangular breaker knockouts

### Universal raintight hubs

Description	Base size (in.)	Standard package quantity	Ordering code
3/4" diameter	3	10	TC75
1" diameter	3	10	TC100
1-1/4" diameter	3	10	TC125
1-1/2" diameter	3	10	TC150
2" diameter	3	10	TC200
2-1/2" diameter	3	10	TC250
3" diameter	3	5	TC300
Closing cap	3	10	TCCP
2" diameter	4	-	TCU27 <sup>1</sup>
2-1/2" diameter	4	-	TCU28 <sup>1</sup>
3" diameter	4	-	TCU30 <sup>1</sup>
3-1/2" diameter	4	-	TCU35 <sup>1</sup>
4" diameter	4	-	TCU40 <sup>1</sup>
4" cover plate	4	-	TCUP <sup>1</sup>

<sup>1</sup> For 40 and 42 circuit units in R8 boxes only.

### Door handle

Description	Standard package quantity	Ordering code
Replacement door handle universal	1	TRL22

### PowerMark Gold cross arm

Description	Standard package quantity	Ordering code
Replacement cross arm for PowerMark Gold load centers only	1	LCCROSSARM



## Load center field installed accessories



THQLRK



THQLRK2



THQLRK1



THQLRK3



THQLRK4

### PowerMark main breaker retainers

- Includes service barriers for use with THQL main
- Main Breaker Retainer Kits are UL listed (Panelboards No. 67)

Description	Breaker type	Ordering code
Travel trailer main breaker retainer kit for THQP breakers	THQP	THQPSBK
For use on PowerMark Plus™ load centers with THQL breakers 225A max	THQL	THQLRK
For use with 12 - 42 circuit PowerMark PRO and Gold load centers with THQL Breakers	THQL	THQLRK1
For use with 6 - 8 circuit PowerMark Gold load centers with THQL breakers	THQL	THQLRK2
For use with TM/TLM1212CCU Mod 2 current model	THQL	THQLRK3
For use with 6 - 42 circuit PowerMark PRO and Gold load centers with THQL Breakers. Similar to THQLRK1 but it does not take up a breaker space.	THQL	THQLRK4

For main lug load centers utilizing a back fed branch circuit breaker as a main circuit breaker

### Handle locks - Padlocking

Description	Breaker type	Ordering code
THQP padlocking handle lock	THQP	TQPPL
THQL padlocking handle lock	THQL	THP100
THQL AF, GF, DF padlocking handle lock	THQL AF, DF, GF	THP100E
TQD padlocking handle lock	TQD	TQDPLD1

Snap on handle lock  
Padlock not included

## Load center field installed accessories



THQLSB



THQMVSBF



TLSB



TQDSB



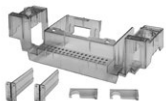
TQDSBR



TQDSFSBP



TSMBSB



TSMLS



TSMLS2P



TSMLSBF



TSMLSBS



TSMLSBR

### Service barrier kits for PowerMark load centers

- Field installed service barrier kits.
- These kits are normally supplied with service entrance load centers and main circuit breaker kits
- Service Barriers UL listed (Panelboards No. 489) and compliant to UL 67 standards

Description	Ordering code
THQL service barrier	THQLSB
THQMV service barrier flapper	THQMVSBF
2 or 4 circuits service barrier. For use with: TL240RCU, TL240RCUP, TL270RCU, TL270RCUP, TL240SCU, TL240SCUP, TL270SCU, TL270SCUP	TLSB
Formula service barrier - for MOD 2 style MSLCs with A2 main breaker (>100A)	KA2LTC-2
Formula service barrier - for MOD 2 style MSLCs with A1 main breaker (<=100A)	TSBKA1
TQD service barrier - for old MOD 1 style MSLCs	TQDSB
TQD lug service barrier 100-125A Reducer - for old MOD 1 style MSLCs	TQDSBR
TQD/SF service barrier plug - for old MOD 1 style MSLCs	TQDSFSBP

### Service barrier kits for PowerMark meter socket load centers

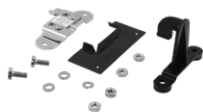
- Field installed service barrier kits.
- These kits are normally supplied with service entrance load centers and main circuit breaker kits
- Service Barriers UL listed (Panelboards No. 489) and compliant to UL 67 standards

Description	Ordering code
MSLC bus service barrier	TSMBSB
MSLC lug service barrier	TSMLS
MSLC service barrier 2P module	TSMLS2P
MSLC lug service barrier bus filler	TSMLSBF
MSLC lug service barrier shutter	TSMLSBS
MSLC lug service barrier reverse feed	TSMLSBR

### Load center hardware kits

Description	Standard Package Quantity	Ordering code
PowerMark Plus™ hardware kit: TQD THQD Main or THLK main lug kit in a TLM load center, installation instructions and front mounting screws	1	LCHKIT
PowerMark PRO and Gold bond screw kit screw 100 - 200A	1	TBS
PowerMark PRO and Gold bond screw kit 225A	1	TBS22
PowerMark PRO and Gold hardware kit containing 20 front mounting screws	1	THDWRKIT
PowerMark PRO and Gold hardware kit containing 10 interior mounting screws	1	THDWRKIT2
TCARE kit contains (20) TBS parts, (20) THDWRKIT kits and (20) THDWRKIT2 kits	1	TCARE

## Load center field installed accessories



THQLLX1



HQLLX4



THQLLX8FL

### Generator interlock kit

Description	Standard package quantity	Ordering code
Load center generator interlock kit	1	THQLLX1
MSLC generator interlock kit	1	THQLLX4
MSLC generator interlock kit	1	THQLLX8CU
MSLC generator interlock kit	1	THQLLX8DR <sup>1</sup>
MSLC generator interlock kit	1	THQLLX8FL

<sup>1</sup> Not compatible with meter socket load centers that have a Formula A2 main circuit breaker.

### PowerMark PRO and Gold auxiliary gutter enclosures

Description	Ordering code
24" auxiliary gutter enclosure	TMAGB24
28" auxiliary gutter enclosure	TMAGB28
28" auxiliary gutter enclosure flush	TMAGB28F
33" auxiliary gutter enclosure	TMAGB33
39" auxiliary gutter enclosure	TMAGB39
43" auxiliary gutter enclosure	TMAGB43
43" deep auxiliary gutter enclosure	TMAGB43D

### PowerMark Gold gutter tap kits

Description	Ordering code
250 kcmil Lugs Gutter Tap Kit - 3 kits required per single phase, 4 kits required per three phase application	TMGT250
500 kcmil Lugs Gutter Tap Kit - 3 kits required per single phase, 4 kits required per three phase application	TMGT500
750 kcmil Lugs Gutter Tap Kit - 3 kits required per single phase, 4 kits required per three phase application - Not for use with riser panels	TMGT750

### Meter socket load center flange kits

Description	Ordering code
Semi-flush kit 400A for MSLC	SF400
Semi-flush kit 400A for MSLC adjustable	SF400A
Semi-flush kit 200A for MSLC adjustable	SF200A

