



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
TSM1610CFCU	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 Plus load centers

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PowerMark Plus load centers



TL12412R



TM42420C

Main lug, factory installed¹, 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 ²
150	18	8	6	18	R4	1-3/0 (Cu), 2/0-3/0 (Al)	TGK24 or TGK32 (order separately)	TL18415R ²
	24	12	8	24	R4	1-3/0 (Cu), 2/0-3/0 (Al)	TGK24 or TGK32 (order separately)	TL24415R ²
200	18	8	6	18	R4	1-250 (Cu), 2/0-250 (Al)	TGK32 (order separately)	TL18420R ²
	30	14	10	30	R6	1-250 (Cu), 2/0-250 (Al)	TGK32 (order separately)	TL30420R ²
	42	20	14	42	R8	1-250 (Cu), 2/0-250 (Al)	TGK42 (order separately)	TL42420R ³
225	42	20	14	42	R8	1-300 (Cu), 2/0-300 (Al)	TGK42 (order separately)	TL42422R ³

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

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

³ Not suitable for use as service entrance equipment.

Main breaker, factory installed⁴, 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 ⁵
	18	8	6	18	Combination	6	6-1/0 (Cu), 4-1/0 (Al)	TGK24 or TGK32 (order separately)	TM18410C ⁵
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

⁴ 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.

⁵ 100 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.](#)