

A two-story white house with a grey shingled roof. Solar panels are installed on the roof, including a set on the main roof and another set on a smaller section. The house has a front porch with white railings and columns. An American flag is hanging on the porch. The house is surrounded by a green lawn and some bushes.

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Residential metering with SOLAR / auxiliary input available

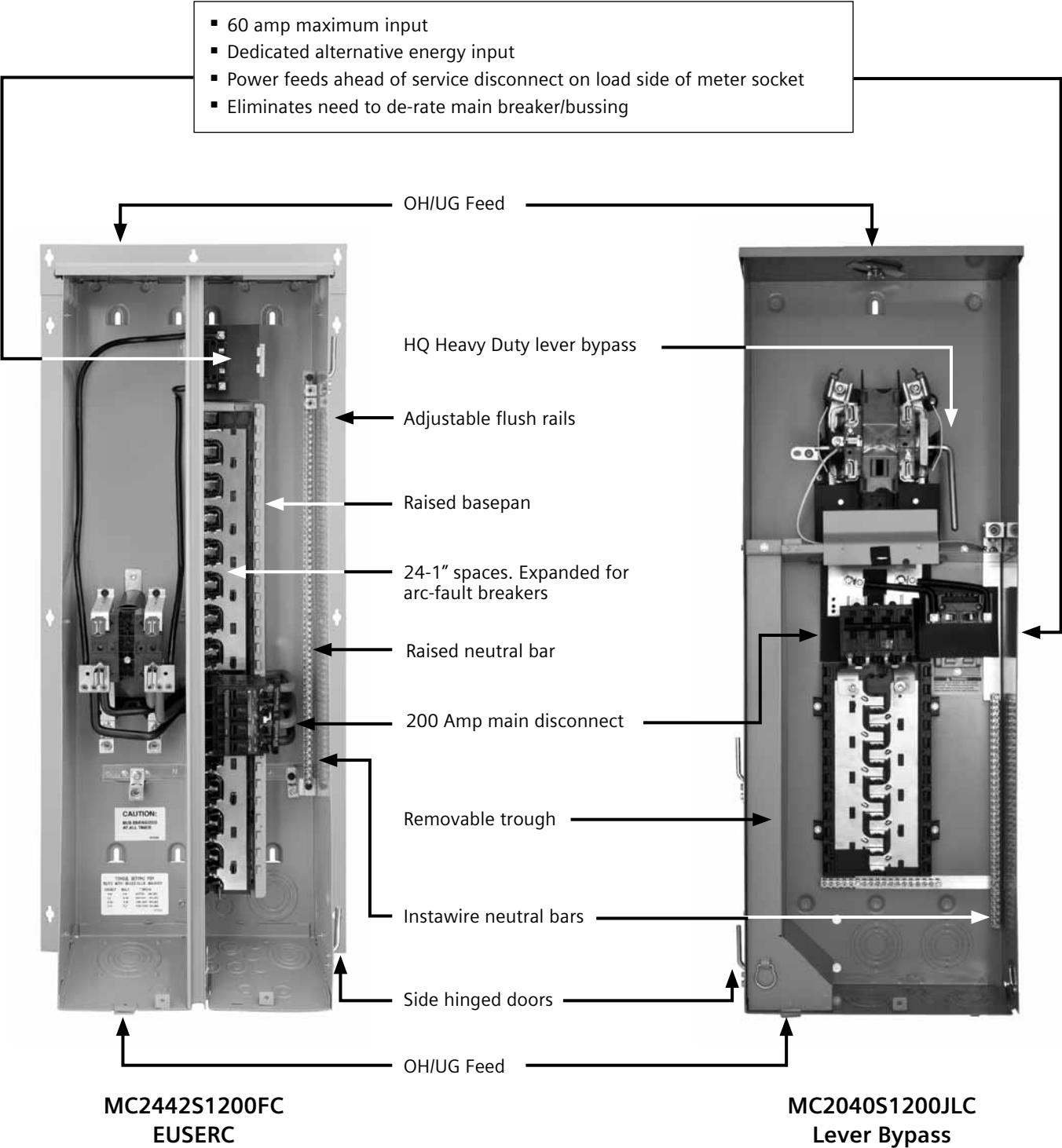
www.usa.siemens.com/residential

Answers for Industry.

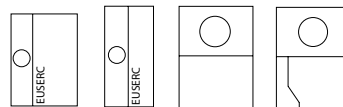
SOLAR Ready, Meter-Load Center Combination Overview

Wide Variety of meter socket configurations are available.
Lever Bypass and EUSERC configurations shown.

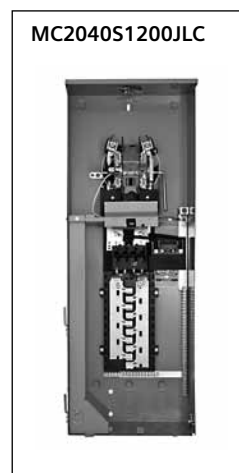
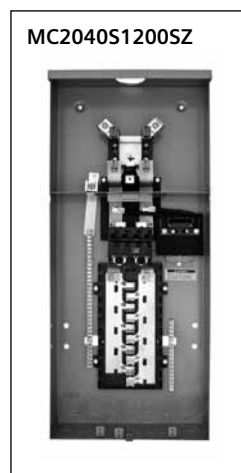
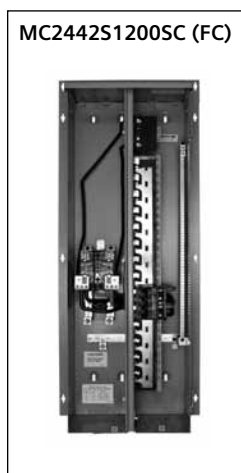
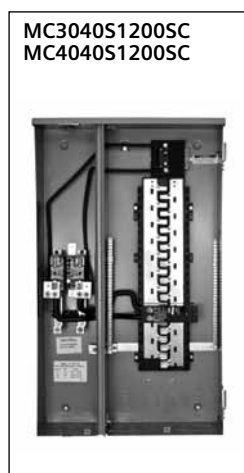
- 60 amp maximum input
- Dedicated alternative energy input
- Power feeds ahead of service disconnect on load side of meter socket
- Eliminates need to de-rate main breaker/bussing



SOLAR Ready, Meter-Load Center Combination, 1-Phase, 3-Wire 120/240V AC



- UL listed
- For overhead and underground feed applications
- 22,000 AIC Rated
- Pad locking provisions on all devices
- Surface and semi-flush units available - semi flush rails are depth adjustable for 2x6 studs
- Side hinge door removable by backing out only one screw
- Load wiring may exit top or bottom
- Suitable for use only as service entrance equipment
- Ring type meter covers (ringless for Lever Bypass)
- Contact local utility to confirm meter socket approval prior to installation
- See end of section for dimensions and wiring diagrams
- Devices accept Siemens & Murray circuit breakers



Catalog Number	Amp Rating (Cont.)	Aux. Input Max./ Breaker Type	Utility Incoming	Bypass Type	No. of Spaces	No. of Circuits	Dimensions (Inches)			Main Breaker	Short Circuit Rating	Hub Provision	5th Jaw	Cover Type
							H	W	D					

EUSERC Compliant Meter-Load Center Combination, 200amp with Alternate Energy Input & Full Load Center Width (Side-by-Side Construction)

MC3040S1200SC	200	60A / QP(H) MP-(H)T	OH/UG	None	30	40	35.7	21.0	5.1	QN2200RH	22,000	RX-top, HC-bot	ECMC5J	Ring
MC4040S1200SC					40	40								

EUSERC Compliant Meter-Load Center Combination, 200amp with Alternate Energy Input, Between Studs Width (Side-by-Side Construction)

MC0816S1200SCT ^②	200	60A / QP(H) MP-(H)T	OH/UG	None	8	16	40.7	14.5	7.1	MBK200	22,000	RX-top, HC-bot	ECMC5J	Ring
MC2442S1200SC					24	42	40.7	14.5	7.1					
MC2442S1200FC ^①														

Meter-Load Center Combination, 200amp with Alternate Energy Input, Overhead Feed Only (Over/Under Construction)

MC2040S1200SZ	200	60A / QP(H) MP-(H)T	OH	None	20	40	32.7	14.4	4.3	MBK200	22,000	RX	EC659-0121	Ring
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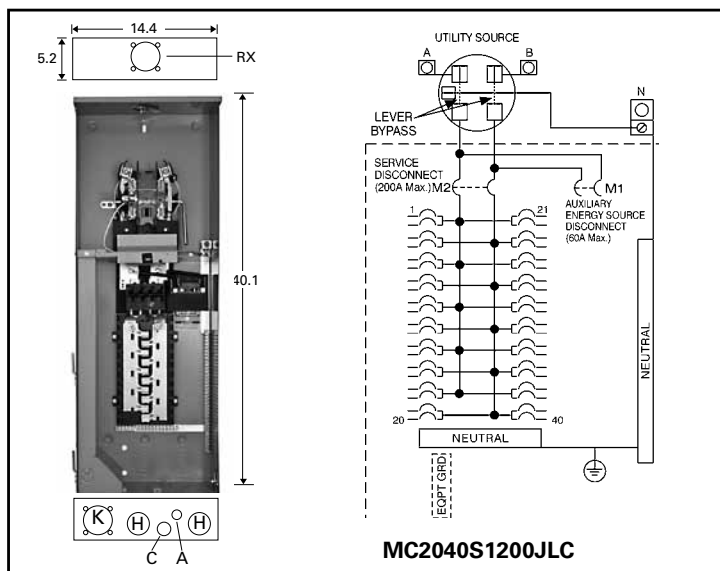
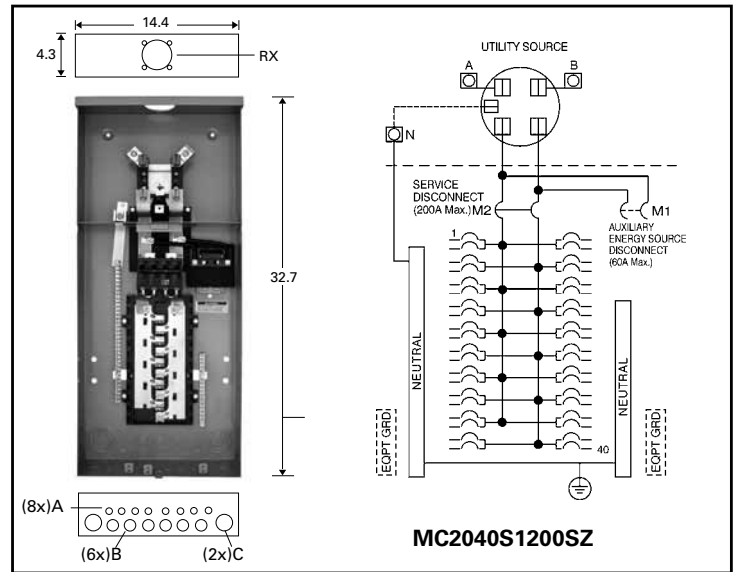
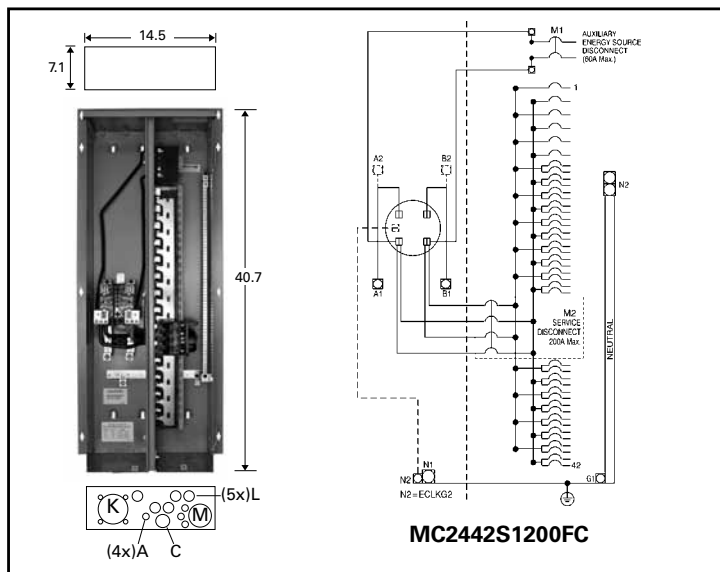
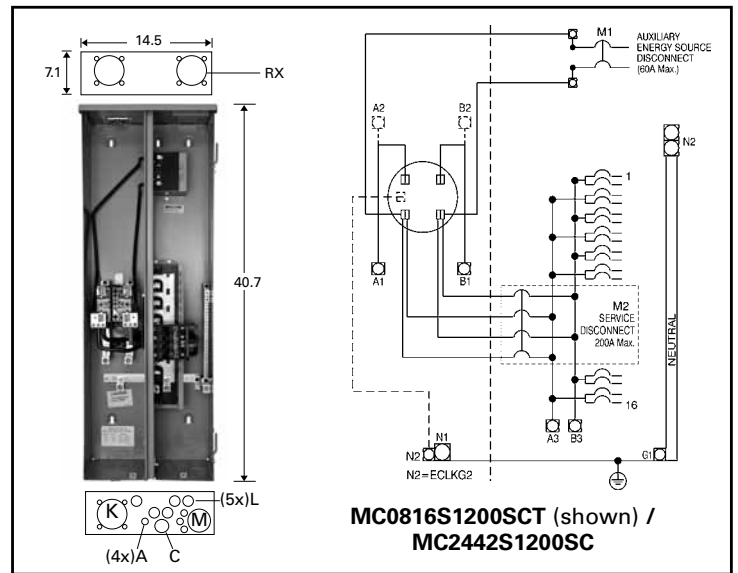
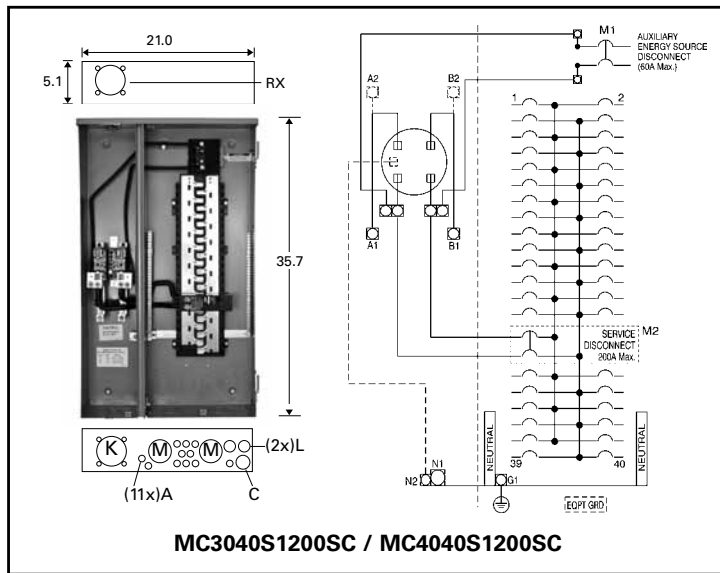
Meter-Load Center Combination, 200amp, Lever Bypass with Alternate Energy Input (Over/Under Construction)

MC2040S1200JLC	200	60A / QP(H) MP-(H)T	OH/UG	HQ Lever Bypass	20	40	40.1	14.4	5.2	MBK200	22,000	RX-top, HC-bot	Installed	Ring-less
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^① Semi flush device.

^② Feed thru lugs included.

Meter Combinations Dimensions and Wiring Schematics



Knockout Code – Conduit Sizes

A = ½	L = ¾, 1½, ¾
B = ½, ¾	M = ¾, 1, 1¼, 1½, 2
C = ½, ¾, 1	N = ¾
D = ¾, 1¼, 1½	P = 2, 2½, 3, 3½, 4
E = 1, 1¼, 1½, 2	Q = 2½, 3
F = ¾, 1, 1¼	R = ½, ¾, 1, 1¼
G = 1, 1¼, 1½	S = ½, ¾, 1, 1¼, 1½, 2, 2½
H = 1, 1¼, 1½, 2, 2½	T = 1½, 2, 2½
J = 1¼, 1½, 2, 2½, 3	
K = 1, 1¼, 2, 2½, 3	

Catalog Number: MC3040S1200SC

Features and Ratings

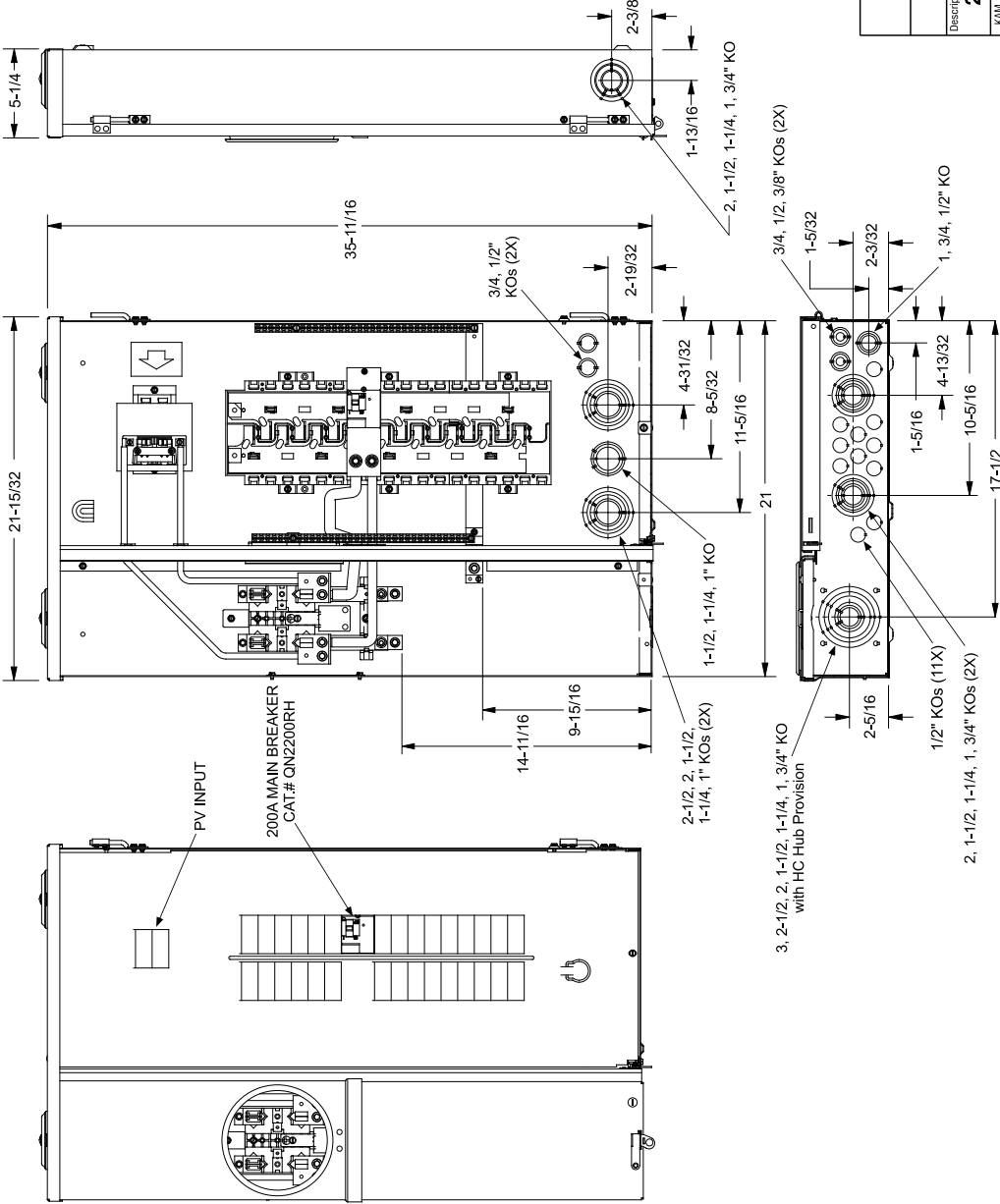
- Outdoor Enclosure (NEMA Type 3R)
- Ring Type Meter Cover
- 200A Max. 1 Phase, 3 Wire, 120/240V~, 120/208V~
- 22,000 AIC Max. Rated (See Wiring Diagram for Details)
- Meter Socket Rating: 200A Continuous
- (30) 1" Spaces, (40) Circuits Max.
- Overhead or Underground Service Entrance
- Surface Mounting
- For Photovoltaic or Alternate Energy applications (Use breaker types QP, QPH, MP-T, 60A Max.)
- Complies with EUSERC Dwg. No. 301

Accessories, Torques & Wire Sizes

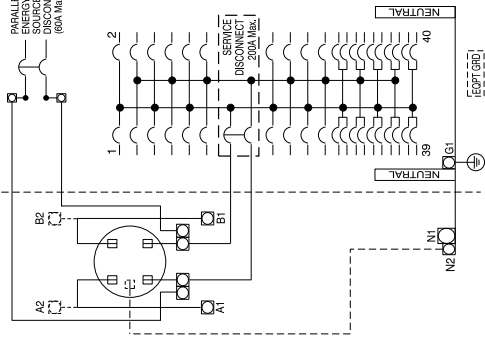
Trade size (in)	Catalog number
Filler Plate - EOCF3	
5" Jaw Assembly - EMC5J	
Flush Rail Kit - FRK1	
1 1/2"	EC38597
1 3/4"	EC38598
2"	EC38599
2 1/2"	EC38600
RX Cover Plate - EOCB101	
Lug Kits - Wire Range	
2"	EC38595
HC Type Hub (bottom endwall)	
2"	ECHC200
2 1/2"	ECHC250
3"	ECHC300

RX HUB OPENING
COVER PLATE PROVIDED

View Shown Without Covers, Door, Deadfront



Schematic



Any 80-125 Amp circuit breaker must be installed in the lowest position in the branch panel. All other positions are limited to 70 Amp maximum circuit breakers.

Terminal	Wire Size	Torque
A1, B1, A2, B2	250kcmil - #4	250 lb-in
N1	250kcmil - #6	275 lb-in
N2	#2 - #14	50 lb-in
G1	1/0 - #14	120 lb-in
Branch Breaker		
See Markings on Breaker		
Terminals		
#10 - #14 CU		20 lb-in
#10 - #12 AL		20 lb-in
#8 - #6		25 lb-in
#6 - #4		35 lb-in
(2) or (3)		20 lb-in
Ground		20 lb-in
Conductors		20 lb-in
#14 AWG		20 lb-in
(2) #12-#10		20 lb-in
AWG		20 lb-in

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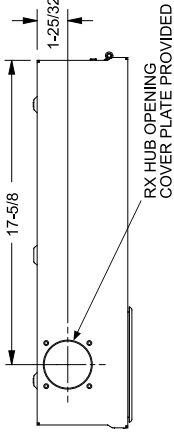
SolarReady™ Meter Combination

Description:
200A, 30 Sp/40 Ckt, OH/UG, Surface Mount
KAM Form DO NOT SCALE Dwg. No. 825111 R
DRAWING
MC3040S1200SC

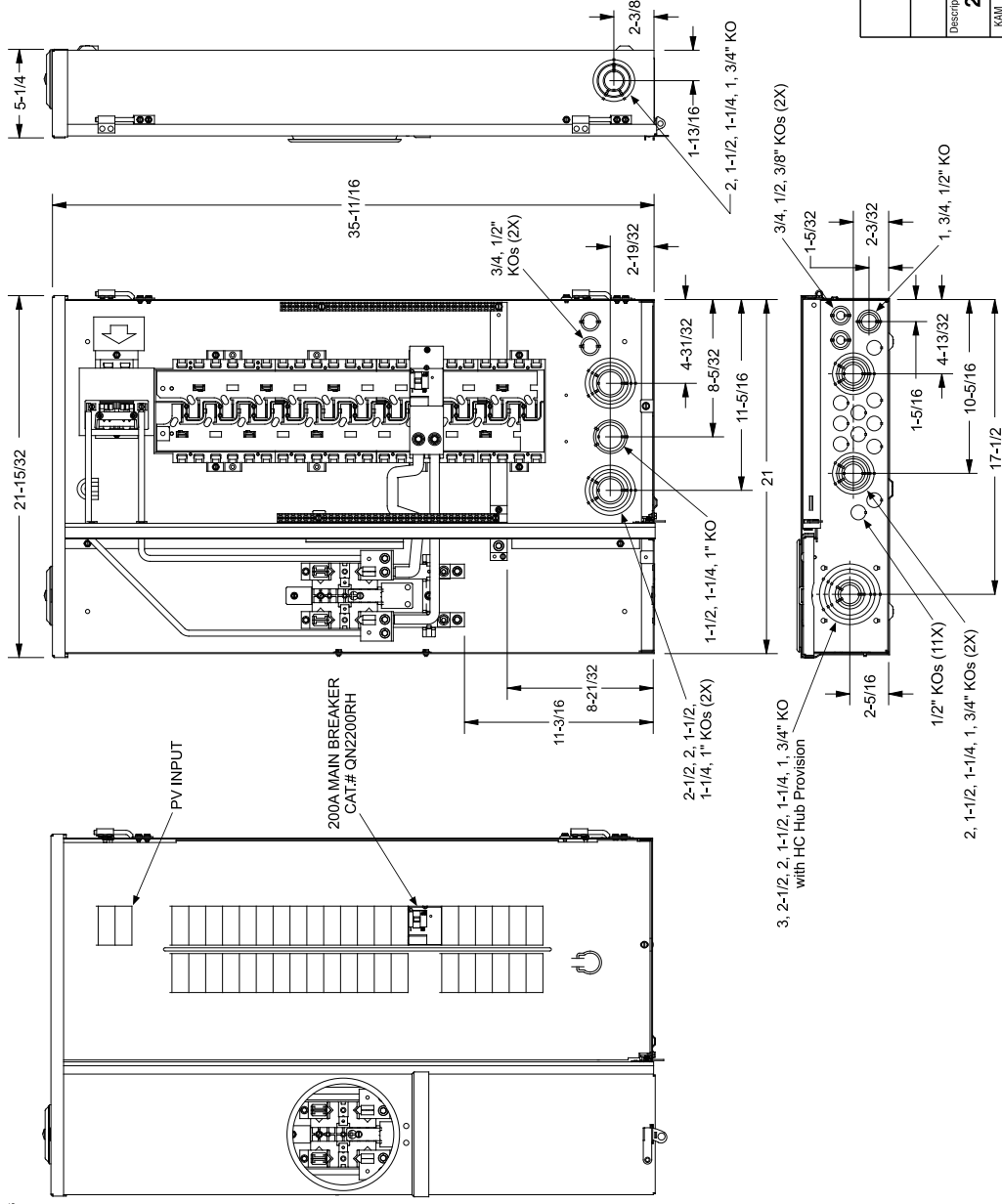
Catalog Number: MC4040S1200SC

Features and Ratings

- Outdoor Enclosure (NEMA Type 3R)
- Ring Type Meter Cover
- 200A Max, 1 Phase, 3 Wire, 120/240V~, 120/208V~
- 22,000 AIC Max. Rated (See Wiring Diagram for Details)
- Meter Socket Rating: 200A Continuous
- (40) 1" Spaces, (40) Circuits Max
- Overhead or Underground Service Entrance
- Surface Mounting
- For Photovoltaic or Alternate Energy applications (Use breaker types QP, QPH, MP-T, 60A Max.)
- Complies with EUSERC Dwg. No. 301



View Shown Without Covers, Door, Deadfront



Accessories, Torques & Wire Sizes

Trade size (in) Catalog number

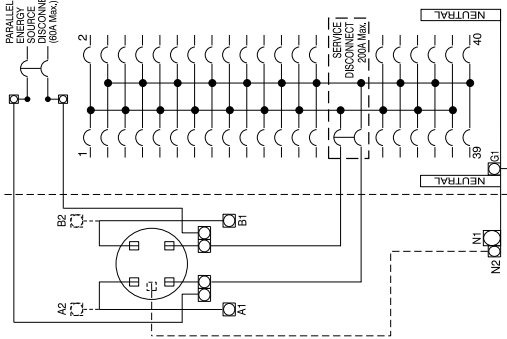
RX Type Hub (top endwall)	
1 1/4"	EC38597
1 1/2"	EC38598
2"	EC38599
2 1/2"	EC38600
RX Cover Plate	EC38595
HC Type Hub (bottom endwall)	
2"	EC38600
2 1/2"	EC38601
3"	EC38602

Filler Plate - ECOF3

- 5" Jaw Assembly - EIMC5J
- Flush Rail Kit - FRK1
- Interlock Kit - ECSBP005, ECSBP007
- Ground Bars - ECGB5, ECGB10, ECGB101

Lug Kits: Wire Range	Torque
ECLK1-2 20 - #2	45 lb-in
ECLK2 20 - #4	135 lb-in
ECLK3 300kcmil - #1	340 lb-in

Schematic



Any 80-125 Amp circuit breaker must be installed in the lowest position in the branch panel. All other positions are limited to 70 Amp maximum circuit breakers.

Terminal	Wire Size	Torque
A1, B1, A2, B2	250kcmil - #4	250 lb-in
N1	250kcmil - #6	275 lb-in
N2	#2 - #14	50 lb-in
N3	#10 - #14	120 lb-in
Branch Breaker	See Markings on Breaker	
Terminals		
Neutral Bar		
Ground Conductors Only		

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SolarReady™ Meter Combination

Description:

200A, 40 Sp/40 Ckt, OH/UG, Surface Mount

XAM Fam DO NOT SCALE Dwg. No. 816111 K DRAWING

MC4040S1200SC

Catalog Number: MC0816S1200SCT

Features and Ratings

- Outdoor Enclosure (NEMA Type 3R)
- Ring Type Meter Cover
- 200A Max. 1 Phase, 3 Wire, 120/240V~; 120/208V~
- 22,000 AIC Max. Rated (See Wiring Diagram for Details)
- Meter Socket Rating: 200A Continuous
- (8) 1" Spaces, (16) Circuits Max.
- Feed Thru Lugs Included
- Overhead or Underground Service Entrance
- Surface Mounting
- For Photovoltaic or Alternate Energy applications (Use breaker types QP, OPH, MP-T, MP-HT 60A Max.)
- Complies with EUSERC Dwg. No. 301

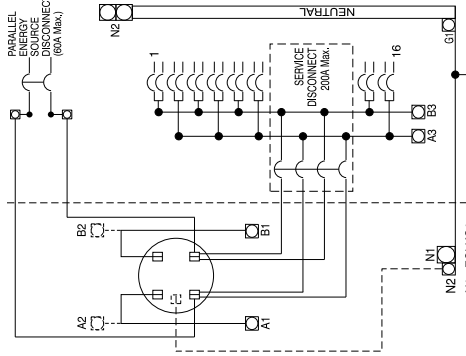
Accessories, Torques & Wire Sizes

Trade size (in)	Catalog number
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- Main Breaker - MBK200A
- Filler Plate - ECOF3
- 5" Jaw Assembly - EMC5J
- Interlock Kit - ECSBPK02
- Ground Bar - EGB5, EGB10, EGB101

Lug Kits:	Wire Range	Torque
ECLK1-2	2/0 - #2	45 lb in
ECLK2	2/0 - #4	135 lb in
ECLKG2	2/0 - #14	50 lb in

Schematic



Any 80-125 Amp circuit breaker must be installed in the lowest position in the branch panel. All other positions are limited to 70 Amp maximum circuit breakers.

Terminal	Wire Size	Torque
A1, B1, A2, B2, A3, B3	250kcmil - #4	250 lb-in
N1	250kcmil - #6	250 lb-in
G1, N2	2/0 - #14	50 lb-in
Branch Breaker Terminals	See Markings on Breaker	
Neutral Bar	#10 - #14 CU	20 lb-in
	#10 - #12 AL	20 lb-in
	#8 - #4	25 lb-in
	#6 - #4	35 lb-in
Ground Conductors Only	(2) or (3) #12 AWG	20 lb-in
	(2) #12-#10 AWG	20 lb-in
	AWG	20 lb-in

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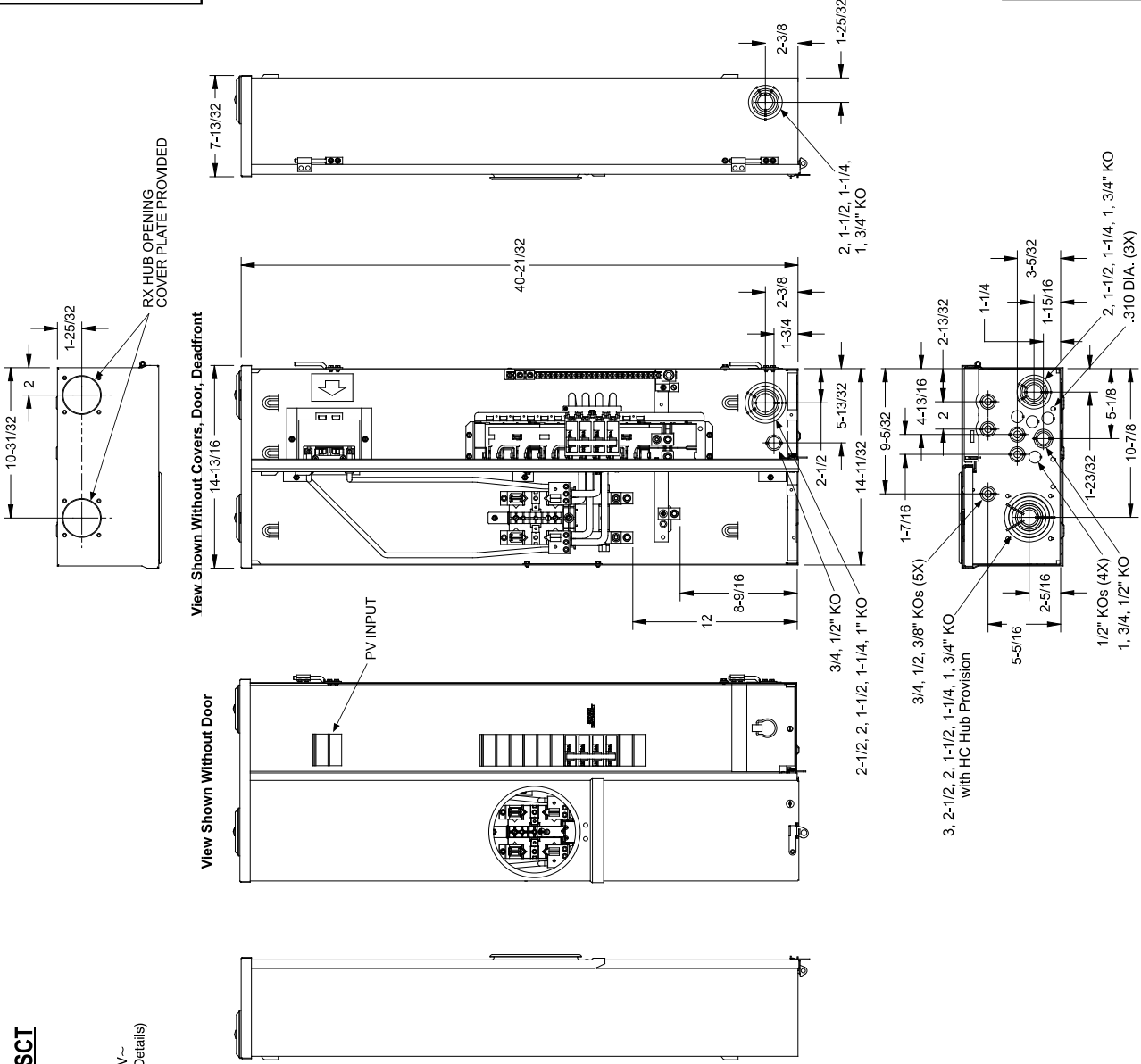
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SolarReady™ Meter Combination

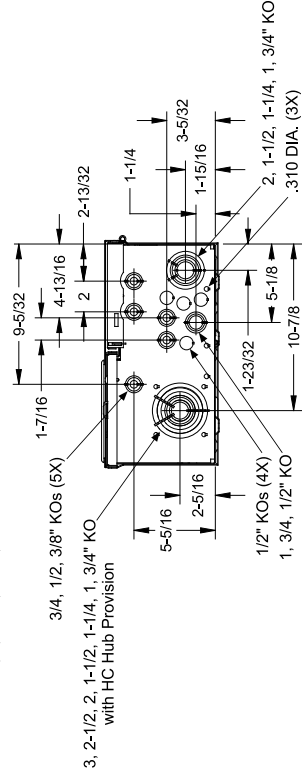
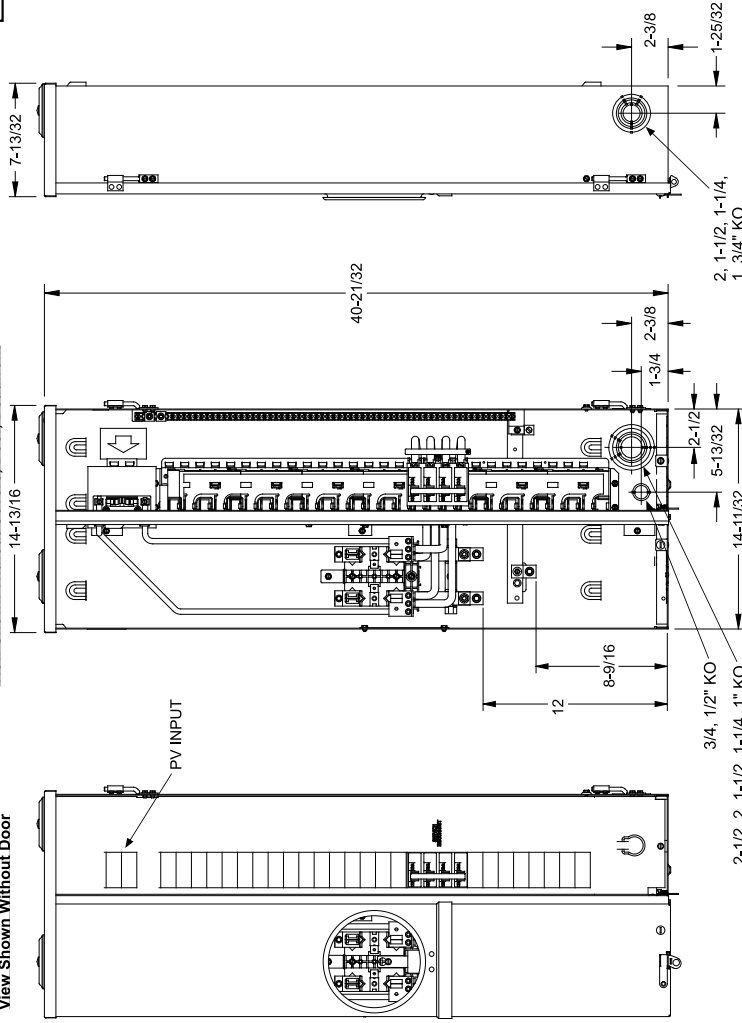
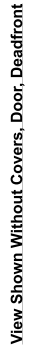
Description:
200A, 8 Sp/16 Ckt, OH/UG, Surf Mount, FT
KAM Form 8/25/11 DO NOT SCALE Dwg. No. 1 G
DRAWING

MC0816S1200SCT



Features and Ratings

- Outdoor Enclosure (NEMA Type 3R)
- Ring Type Meter Cover
- 200A Max, 1 Phase, 3 Wire, 120/240V~, 120/208V~
- 22,000 AIC Max. Rated (See Wiring Diagram for Details)
- Meter Socket Rating: 200A Continuous
- (24) 1" Spaces, (42) Circuits Max.
- Overhead or Underground Service Entrance
- Surface Mounting
- For Photovoltaic or Alternate Energy applications (Use breaker types QF, QPH, MP-1, MP-HT 60A Max.)
- Complies with EUSERC Dwg. No. 301



Trade size (in)	Catalog number
<i>RX Type Hub (top endwall)</i>	
1 1/4"	EC38597
1 1/2"	EC38598
2"	EC38599
2 1/2"	EC38600
<i>RX Cover Plate</i>	
	EC38595
<i>HC Type Hub (bottom endwall)</i>	
2"	ECHC200
2 1/2"	ECHC250
3"	ECHC300

Any 80-125 Amp circuit breaker must be installed in the lowest position in the branch panel. All other positions are limited to 70 Amp maximum circuit breakers.

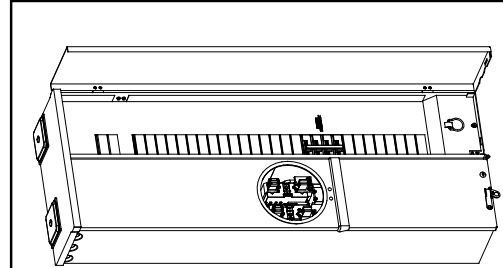
Terminal	Wire Size	Torque
A1, B1, A2, B2	250kcmil - #4	250 lb-in
G1	250kcmil - #6	250 lb-in
N1, N2	250 - #14	50 lb-in
Branch Breaker Terminals	See Markings on Breaker	
Neutral Bar	#10 - #14 CU #10 - #12 AL	20 lb-in 20 lb-in
	#6 - #4	25 lb-in 35 lb-in
Ground Conductors Only	(2) or (3) #14 AWG (2) #12-#10 AWG	20 lb-in 30 lb-in

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SolarReady™ Meter Combination

Description:	
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KAM 3/26/11	Fam G	DO NOT SCALE DRAWING	Dwg. No.	MC2442S1200SC
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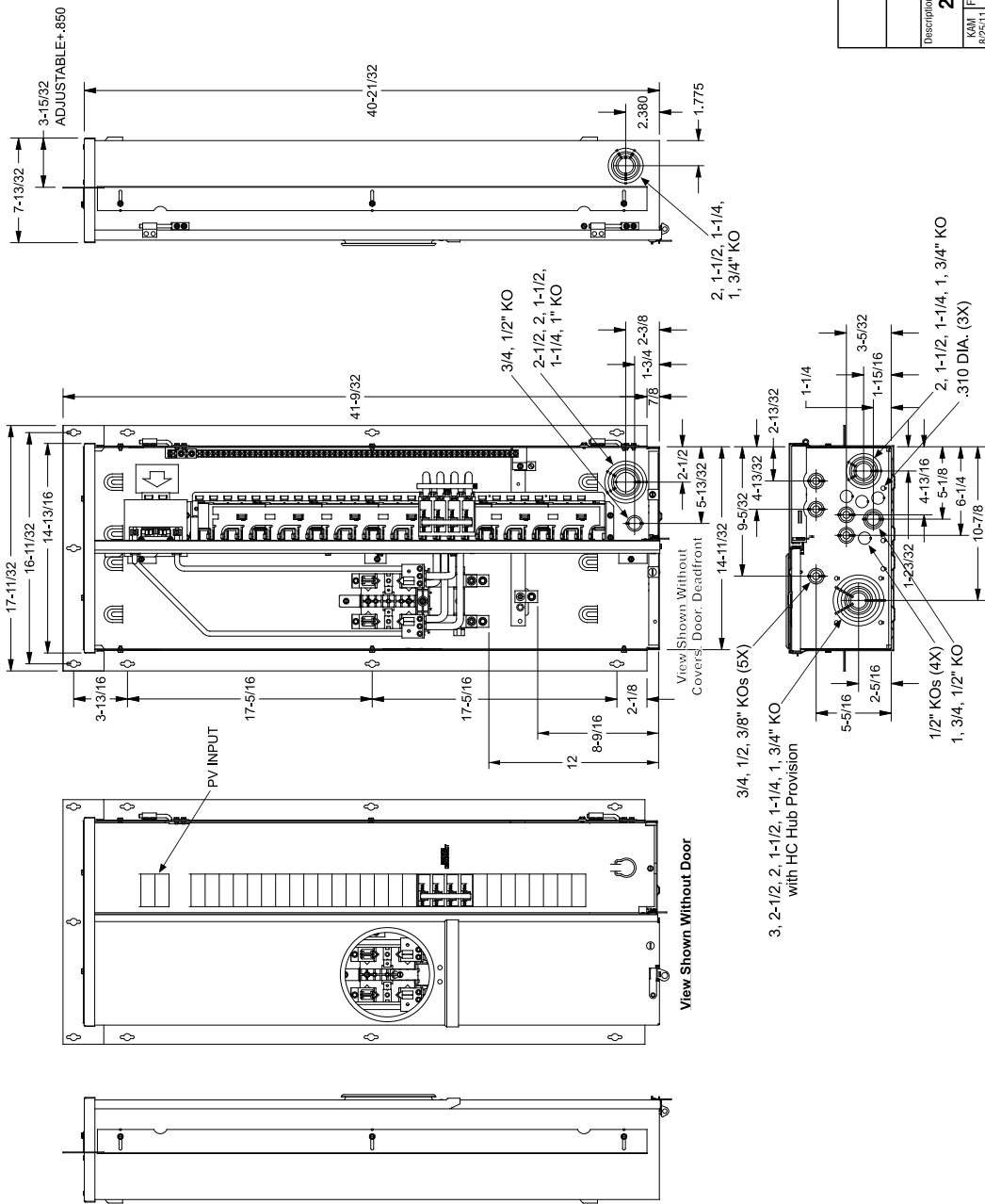


- Outdoor Enclosure (NEMA Type 3R)
- Ring Type Meter Cover
- 200A Max. 1 Phase, 3 Wire, 120/240V... 120/208V... 22 000 AIC Max. Rated (See Wiring Diagram for Details)
- Meter Socket Rating: 200A Continuous
- (24" 1" Spaces, (42) Circuits Max.
- Overhead or Underground Service Entrance
- Flush Mounting
- For Photovoltaic or Alternate Energy applications (Use breaker types QP, QPH, MP-T, MP-HT 60A Max.)
- Complies with EUSERC Dwg. No. 301

Accessories, Torques & Wire Sizes

Trade size (in)	Catalog number
RC Type Hub (top endwall)	
1 X 1/4"	EC38597
1 1/2"	EC38598
2"	EC38599
2 1/2"	EC38600
2 X	EC38600
RC Cover Plate EC38595
HC Type Hub (bottom endwall)	
2"	ECHC200
2 1/2"	ECHC250
3"	ECHC300

Schematic



Any 80-125 Amp circuit breaker must be installed in the lowest position in the branch panel. All other positions are limited to 70 Amp maximum circuit breakers.

Terminal	Wire Size	Torque
A1, B1, A2, B2	250kcmil - #4	250 lb-in
N1	250kcmil - #6	250 lb-in
G1, N2	20 - #14	50 lb-in
Branch Breaker Terminals	See Markings on Breaker	
Neutral Bar	#10 - #12 CU #10 - #12 AL #8 #6 - #4	20 lb-in 20 lb-in 25 lb-in 35 lb-in
Ground Conductors	(2) or (3) #14 AWG	20 lb-in
Only	(2) #12 #10 AWG	20 lb-in

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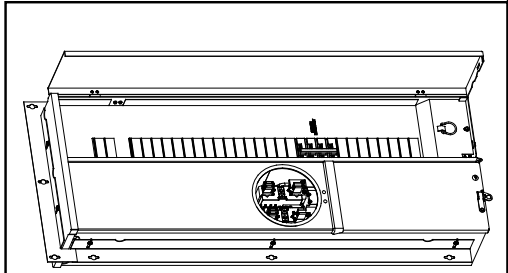
SIEMENS
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SolarReady™ Meter Combination

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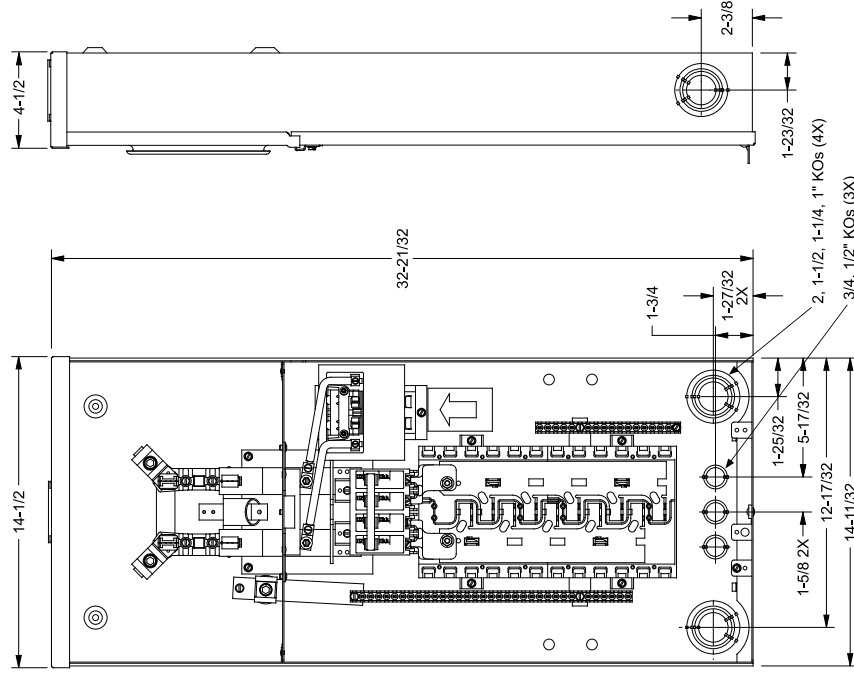
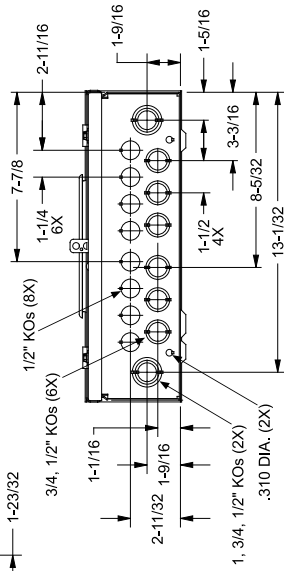
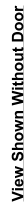
200A 24 Sp/42 Ckt OH/IG Flush Mount

KAM 3/25/11	Fam G	DO NOT SCALE DRAWING	Dwg. No.	MC2442S1200FC
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Features and Ratings

- Outdoor Enclosure (NEMA Type 3R)
- Ring Type Meter Cover
- 200A Max. 1 Phase, 3 Wire, 120/240V ~, 120/208V ~
- 22,000 AIC Max. Rated (See Wiring Diagram for Details)
- Meter Socket Rating: 200A Continuous
- (20) 1" Spaces, (40) Circuits Max.
- For Overhead Service Only
- Surface Mounting
- For Photovoltaic or Alternate Energy applications (Use breaker types QP, QPH, MP-T, MP-H/PT 60A Max.)



Trade size (in)	Catalog Number
<i>RX Type Hub</i>	
1 1/4"	EC38597
1 1/2"	EC38598
2"	EC38599
2 1/2"	EC38600
RX Cover Plate	EC38595

Filler Plate: Cat.# ECOF3
5th Jaw: Cat.# EC659-0121
Mechanical Interlock:
 Cat.# ECSBPk09
Lug Kits: Cat.# ECLK1-2 and ECLK2
Equipment Ground Bars:
 ECLX071M, ECLX072M, ECLX073M,
 ECLX074M, ECLX075M

Refer to Schematic		Wire Size	Torque
Terminal			
A, B, N		250kcmil - #1	250 lb-in
Branch Breaker Terminals		See Markings on Breaker	
Neutral Bar		#10 - #14 CU #10 - #12 AL #8 #6 - #4	20 lb-in 20 lb-in 25 lb-in 35 lb-in
Ground Conductors Only in Neutral Bars		(2) or (3) #14 AWG #12-#10 AWG	20 lb-in 20 lb-in

EQUIPMENT GROUND BAR: SERIES "ECLX"
Terminals are suitable for the following Wire combinations:
SMALL TERMINALS: ONE 14 TO 6 AWG CU; ONE 12 TO 6 AWG AL; TWO 14 AWG CU; TWO 12 AWG CU; TWO 12 AWG AL; SOLID WIRES.

TERMINALS	WIRE	TORQUE
Small Terminals	10-14 AWG 8 AWG	20 LB-IN 25 LB-IN
Large Terminals	6 AWG 10-14 AWG 8 AWG	35 LB-IN 25 LB-IN 40 LB-IN
	2-6 AWG	45 LB-IN

TERMINALS	WIRE	TORQUE
ECLK1-2 Neutral Lug Kit	2/0-2 AWG	45 LB-INS
ECLK2 Neutral Lug Kit	2/0-4 AWG	135 LB-INS

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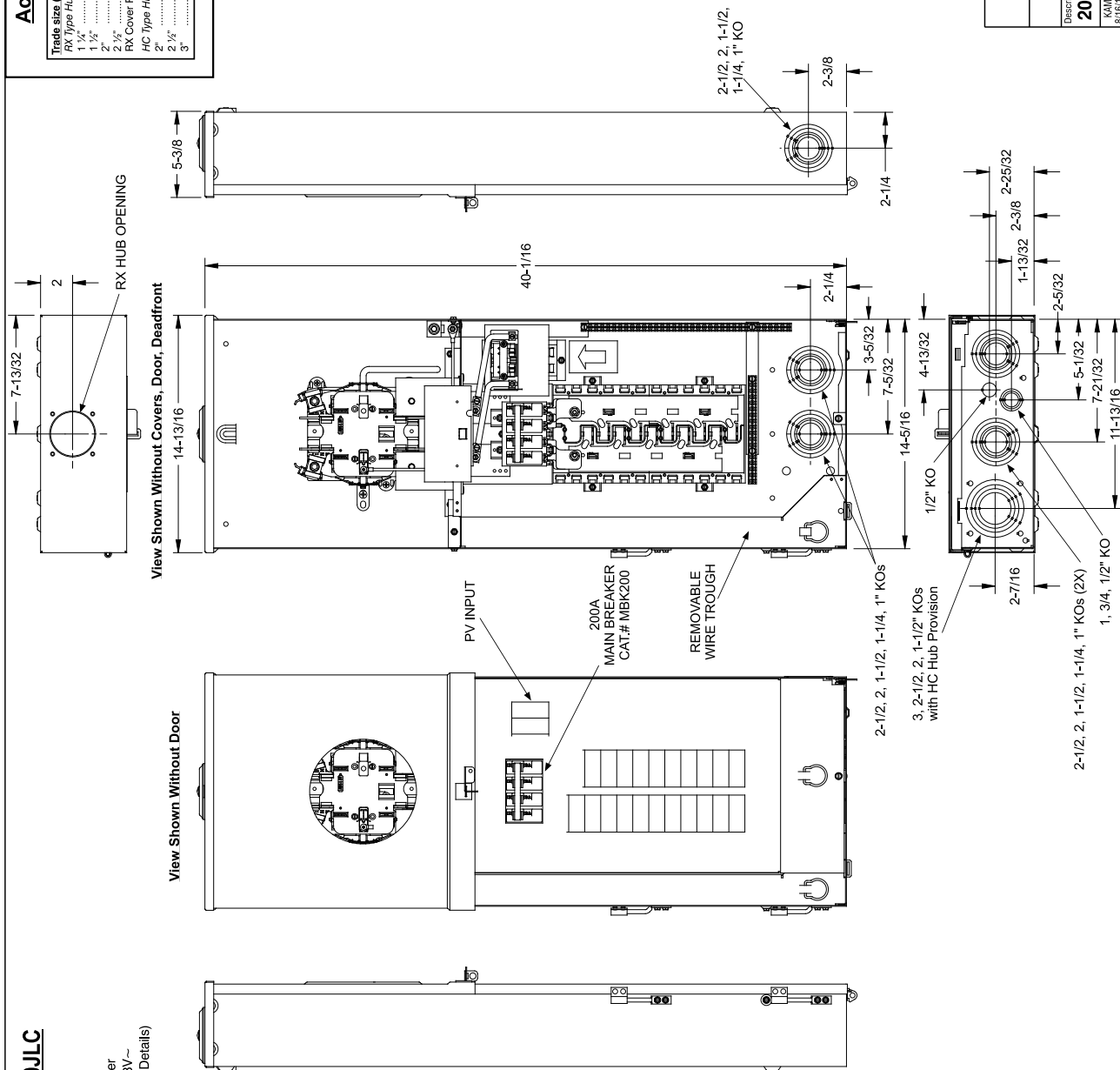
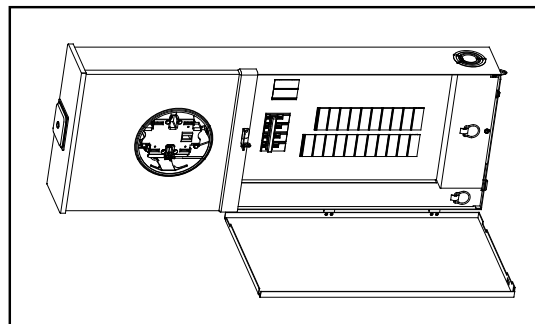
SolarReady™ Meter Combination

Description:

200A. 20 Sp/40 Ckt. OH. Surface Mount

KAM	Fam	DO NOT SCALE	Dwg. No.
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- Outdoor Enclosure (NEMA Type 3R)
- Lever Bypass Meter Socket, Ringless Meter Cover
- 200A Max. 1 Phase, 3 Wire, 120/240V~, 120/208V~
- 22,000 AIC Max. Rated (See Wiring Diagram for Details)
- Meter Socket Rating: 200A Continuous
- 5th Jaw Factory Installed
- (20) 1" Spaces, (40) Circuits Max.
- Overhead or Underground Service
- Surface Mounting
- For Photovoltaic or Alternate Energy applications (Use breaker types QP, QPH, MPT, MP-HT 60A Max.)



Accessories, Torques & Wire Sizes

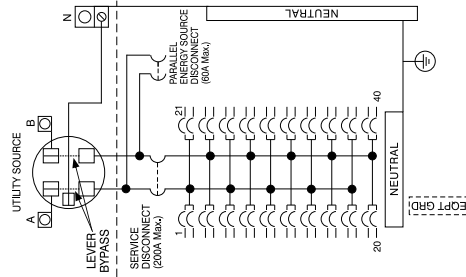
Trade size (in)	Catalog number
RX Type Hub (top endwall)	
1 1/4"	EC38597
1 1/2"	EC38598
2"	EC38599
2 1/2"	EC38600
RX Cover Plate	
	EC38595
HC Type Hub (bottom endwall)	
2"	ECHC200
2 1/2"	ECHC250
3"	ECHC300

Filler Plate Cat. No. ECQF3

Neutral Lug Kit	Wire Range	Torque
ECLK1-2	2/0-#2	45 Lb.-Ins.
ECLK2	2/0-#4	135 Lb.-Ins.
ECLK3	300 kcmil - #1	340 Lb.-Ins.

Mechanical Breaker Interlock: ECSBPK09
Equipment Grounding Bar: ECGB10
ECGB101

Schematic



Maximum breaker size on left side:
60°C Wire: CU 85A, AL 65A
75°C Wire: CU 100A, AL 75A

Terminal	Wire Size	Torque
A, B	250kcmil - #4	275 lb-in
N	250kcmil - #4	250 lb-in
Branch Breaker Terminals	See Markings on Breaker	
Neutral Bar	#10 - #14 CU #10 - #12 AL #8	20 lb-in 20 lb-in 25 lb-in 35 lb-in
Ground Conductors	(2) or (3) #14 AWG	20 lb-in
Only	(2) #12-#10 AWG	20 lb-in

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SolarReady™ Meter Combination

Description:

KAM 8/6/11	Fam I	DO NOT SCALE DRAWING	Dwg. No. MC2040S1200JLC
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