



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0859

HCAI Special Seismic Certification Preapproval (OSP)

Type: ☒ New ☐ Renewal

Manufacturer Information

Manufacturer: FoxFab Power Solutions

Manufacturer's Technical Representative: Kevan Buick

Mailing Address: 2579 188th Street, Surrey, BC, V3Z 2A1, Canada

Telephone: (604) 803-0277 Email: kbuick@novapole.com

Product Information

Product Name: Commercial Grade Connection Cabinets

Product Model Number(s): FFCC-CLC, FETS-M2F, FETS-M2N, FFCC-C1, FFCC-C2, FFCC-C3, FFIS-C3, FFCC-C4, FFCC-B1, FFCC-B2, FFCC-S1

Product Category: Emergency and Standby Power Systems

Product Sub-Category: Automatic Transfer Switches

General Description: Electrical cabinets that allow safe connection between backup generators and building's electrical system

Mounting Description: Wall Mounted Rigid -

Tested Seismic Enhancements: None

Applicant Information

Applicant Company Name: The VMC Group

Contact Person: John Giuliano

Mailing Address: 113 Main Street, Bloomingdale, NJ 07403

Telephone: (973) 838-1780 Email: john.giuliano@thevmcgroup.com

Title: President



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California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)

Company Name: THE VMC GROUP

Name: Kenneth Tarlow California License Number: S2851

Mailing Address: 980 9th Street, 16th Floor, Sacramento, CA 95814

Telephone: (832) 627-2214 Email: ken.tarlow@thevmcgroup.com

Certification Method

☐ GR-63-Core ☒ ICC-ES AC156 ☐ IEEE 344 ☐ IEEE 693 ☐ NEBS 3
☐ Other (Please Specify): _____

Testing Laboratory

Company Name: DYNAMIC CERTIFICATION LABORATORY (DCL)

Contact Person: Kelly LaPlace

Mailing Address: 1315 Greg St., Ste 109, Sparks NV 89431

Telephone: (775) 358-5085 Email: kelly@shaketest.com

BY: Mohammad Karim

DATE: 07/31/2025



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Seismic Parameters

Design Basis of Equipment or Components (F_p/W_p) =	1.13 ($z/h=0$) & 1.5 ($z/h=1$)
Sds (Design spectral response acceleration at short period, g) =	2.5g ($z/h=0$) & 2.0g ($z/h=1$)
a_p (Amplification factor) =	2.5
R_p (Response modification factor) =	6
Ω_0 (System overstrength factor) =	2.5
I_p (Importance factor) =	1.5
z/h (Height ratio factor) =	0 and 1
Natural frequencies (Hz) =	See Attachment
Overall dimensions and weight =	See Attachment

HCAI Approval (For Office Use Only) - Approval Expires on 07/31/2031

Date: 7/31/2025		
Name: Mohammad Karim	Title: Supervisor, Health Facilities	
Special Seismic Certification Valid Up to: Sds (g) = 2.0	z/h = 1	
Condition of Approval (if applicable):		

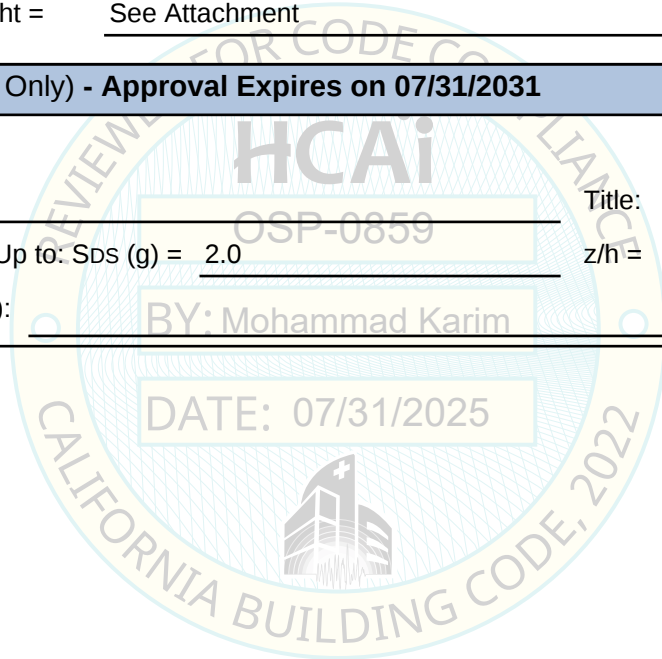


Table 1: Certified Connection Cabinets

Category	Model ¹	Rating [A]	NEMA Rating	Enclosure Material	Dimensions [in]			Max Weight	UUT
					D	W	H		
FFCC-CLC ²	A-B-ALU-D-E-F	100 - 800	3R, 4,	AI	16	30	42	145	Extrapolated
	A-B-304-D-E-F		3RX, 4X	304 SS	16	30	42	265	Extrapolated
	A-B-316-D-E-F		3RX, 4X	316 SS	16	30	42	265	Extrapolated
	A-B-ALU-D-E-F	800 - 4000	3R, 4,	AI	24	36	60	310	Extrapolated
	A-B-304-D-E-F		3RX, 4X	304 SS	24	36	60	540	Extrapolated
	A-B-316-D-E-F		3RX, 4X	316 SS	24	36	60	540	Extrapolated
FFTS-M2F ³	A-B-ALU-D-E-F	100 - 200	3R, 4,	AI	16	30	36	160	Extrapolated
	A-B-304-D-E-F		3RX, 4X	304 SS	16	30	36	260	Extrapolated
	A-B-316-D-E-F		3RX, 4X	316 SS	16	30	36	260	Extrapolated
	A-B-ALU-D-E-F	201 - 600	3R, 4,	AI	24	36	60	550	Extrapolated
	A-B-304-D-E-F		3RX, 4X	304 SS	24	36	60	780	Extrapolated
	A-B-316-D-E-F		3RX, 4X	316 SS	24	36	60	780	Extrapolated
	A-B-ALU-D-E-F	601 - 1600	3R, 4,	AI	30	36	72	520	Extrapolated
	A-B-304-D-E-F		3RX, 4X	304 SS	30	36	72	770	Extrapolated
	A-B-316-D-E-F		3RX, 4X	316 SS	30	36	72	770	Extrapolated
FFTS -M2N ³	A-B-ALU-D-E-F	100 - 200	3R, 4,	AI	16	30	36	160	Extrapolated
	A-B-304-D-E-F		3RX, 4X	304 SS	16	30	36	260	Extrapolated
	A-B-316-D-E-F		3RX, 4X	316 SS	16	30	36	260	Extrapolated
	A-B-ALU-D-E-F	201 - 1200	3R, 4,	AI	24	36	60	550	Extrapolated
	A-B-304-D-E-F		3RX, 4X	304 SS	24	36	60	780	Extrapolated
	A-B-316-D-E-F		3RX, 4X	316 SS	24	36	60	780	Extrapolated
FFCC-C1 ⁴	A-B-C-ALU-E-F-G	40 - 400	3R, 4,	AI	8	24	30	190	Extrapolated
	A-B-C-304-E-F-G		3RX, 4X	304 SS	8	24	30	150	Extrapolated
	A-B-C-316-E-F-G		3RX, 4X	316 SS	8	24	30	150	Extrapolated
	A-B-C-ALU-E-F-G	60 - 1200	3R, 4,	AI	16	30	36	190	Extrapolated
	A-B-C-304-E-F-G		3RX, 4X	304 SS	16	30	36	310	Extrapolated
	A-B-C-316-E-F-G		3RX, 4X	316 SS	16	30	36	310	Extrapolated
	A-B-C-ALU-E-F-G	1201 - 2000	3R, 4,	AI	16	36	42	200	Extrapolated
	A-B-C-304-E-F-G		3RX, 4X	304 SS	16	36	42	320	Extrapolated
	A-B-C-316-E-F-G		3RX, 4X	316 SS	16	36	42	320	Extrapolated
	A-B-GL-ALU-E-F-G	401 - 800	3R, 4,	AI	24	36	60	550	Extrapolated
	A-B-GL-304-E-F-G		3RX, 4X	304 SS	24	36	60	780	Extrapolated
	A-B-GL-316-E-F-G		3RX, 4X	316 SS	24	36	60	780	Extrapolated
	A-B-GL-ALU-E-F-G	801 - 1200	3R, 4,	AI	30	36	72	380	Extrapolated
	A-B-GL-304-E-F-G		3RX, 4X	304 SS	30	36	72	720	Extrapolated
	A-B-GL-316-E-F-G		3RX, 4X	316 SS	30	36	72	720	Extrapolated

Notes:

1. Refer to Figures 1 through 9 for model nomenclature guide
2. FFCC-CLC is a depopulated (empty) version of the FFTS-M2F

3. FFTS-M2N and FFTS-M2F are depopulated versions of FFCC-C2 and used for different applications

4. FFCC-C1 is a depopulated (empty) version of the FFCC-C2, FFCC-C3 and FFCC-C4

Table 1: Certified Connection Cabinets, Continued

Category	Model ¹	Rating [A]	NEMA Rating	Enclosure Material	Dimensions [in]			Max Weight	UUT
					D	W	H		
FFCC-C2	A-B-C-ALU-E-F-G	100 - 200	3R, 4,	AI	16	30	36	170	Extrapolated
	A-B-C-304-E-F-G		3RX, 4X	304 SS	16	30	36	280	Extrapolated
	A-B-C-316-E-F-G		3RX, 4X	316 SS	16	30	36	280	Extrapolated
	A-B-C-ALU-E-F-G	101 - 400	3R, 4,	AI	16	30	42	210	Extrapolated
	A-B-C-304-E-F-G		3RX, 4X	304 SS	16	30	42	335	Extrapolated
	A-B-C-316-E-F-G		3RX, 4X	316 SS	16	30	42	335	Extrapolated
	1200-T-U4-G-ALU4X-LB-AA-AF-AC-AD2-AD3-AG-AE-AH-AI	101- 1200	4X	AI	25	36	61	480	UUT-4
	A-B-C-ALU-E-F-G		3R, 4,	AI	24	36	60	550	Extrapolated
	A-B-C-304-E-F-G		3RX, 4X	304 SS	24	36	60	780	Extrapolated
	A-B-C-316-E-F-G		3RX, 4X	316 SS	24	36	60	780	Extrapolated
	A-B-C-ALU-E-F-G	601 - 1200	3R, 4,	AI	30	36	72	450	Extrapolated
	1200-FT-U4-G-304-LA-AA-AC-AF-AF2-AE-AD2-AD3-AG-AI		3RX, 4X	304 SS	30	36	72	770	UUT-8
	A-B-C-316-E-F-G		3RX, 4X	316 SS	30	36	72	770	Extrapolated
FFCC-C3 ⁵	A-B-C-D-ALU-E-F-G-H	100 - 400	3R, 4,	AI	16	30	42	210	Extrapolated
	A-B-C-D-304-E-F-G-H		3RX, 4X	304 SS	16	30	42	335	Extrapolated
	A-B-C-D-316-E-F-G-H		3RX, 4X	316 SS	16	30	42	335	Extrapolated
	A-B-A-B-C-GL-ALU-F-G-H	up to 250	3R, 4,	AI	16	36	42	220	Extrapolated
	A-B-A-B-C-GL-304-F-G-H		3RX, 4X	304 SS	16	36	42	345	Extrapolated
	A-B-A-B-C-GL-316-F-G-H		3RX, 4X	316 SS	16	36	42	345	Extrapolated
	A-B-C-D-ALU-E-F-G-H	100 - 1200	3R, 4,	AI	24	36	60	550	Extrapolated
	A-B-C-D-304-E-F-G-H		3RX, 4X	304 SS	24	36	60	780	Extrapolated
	A-B-C-D-316-E-F-G-H		3RX, 4X	316 SS	24	36	60	780	Extrapolated
	A-B-A-B-C-GL-ALU-F-G-H	401 - 1200	3R, 4,	AI	24	48	68	735	Extrapolated
	A-B-A-B-C-GL-304-F-G-H		3RX, 4X	304 SS	24	48	68	1030	Extrapolated
	A-B-A-B-C-GL-316-F-G-H		3RX, 4X	316 SS	24	48	68	1030	Extrapolated
	A-B-C-GL-ALU-E-F-G-H	401 - 1200	3R, 4,	AI	30	36	72	520	Extrapolated
	A-B-C-GL-304-E-F-G-H		3RX, 4X	304 SS	30	36	72	770	Extrapolated
	A-B-C-GL-316-E-F-G-H		3RX, 4X	316 SS	30	36	72	770	Extrapolated
FFIS-C3	A-B-C-D-ALU-F-G-H	100 - 250	3R, 4,	AI	24	30	42	335	Extrapolated
	A-B-C-D-304-F-G-H		3RX, 4X	304 SS	24	30	42	470	Extrapolated
	A-B-C-D-316-F-G-H		3RX, 4X	316 SS	24	30	42	470	Extrapolated
	250-LSI-U3-GL-3164X-LA-AA-AC-AD-AE-AF-AG-AH-AI	251 - 800	4X	316 SS	25	30	43	380	UUT-3
	A-B-C-D-ALU-F-G-H		3R, 4,	AI	24	36	60	550	Extrapolated
	A-B-C-D-304-F-G-H		3RX, 4X	304 SS	24	36	60	780	Extrapolated
	A-B-C-D-316-F-G-H		3RX, 4X	316 SS	24	36	60	780	Extrapolated
	A-B-C-D-ALU-F-G-H	801- 1200	3R, 4,	AI	30	36	72	600	Extrapolated
	A-B-C-D-304-F-G-H		3RX, 4X	304 SS	30	36	72	770	Extrapolated
	A-B-C-D-316-F-G-H		3RX, 4X	316 SS	30	36	72	770	Extrapolated

Notes:

07/31/2025
1. Refer to Figures 1 through 9 for model nomenclature guide

5. FFCC-C3 is similar to the FFCC-C2, where -C3 cabinets house circuit breakers and -C2 cabinets house transfer switches.
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Table 1: Certified Connection Cabinets, Continued

Category	Model ¹	Rating [A]	NEMA Rating	Enclosure Material	Dimensions [in]			Max Weight	UUT
					D	W	H		
FFCC-C4 ⁶	A-B-GL-ALU-E-F-G	60 - 400	3R, 4,	AI	24	30	42	335	Extrapolated
	A-B-GL-304-E-F-G		3RX, 4X	304 SS	24	30	42	470	Extrapolated
	A-B-GL-316-E-F-G		3RX, 4X	316 SS	24	30	42	470	Extrapolated
	A-B-GL-ALU-E-F-G	401 - 1200	3R, 4,	AI	24	36	60	550	Extrapolated
	A-B-GL-304-E-F-G		3RX, 4X	304 SS	24	36	60	780	Extrapolated
	A-B-GL-316-E-F-G		3RX, 4X	316 SS	24	36	60	780	Extrapolated
FFCC-B1	A-B-C-ALU-E-F-G	up to 1600	3R, 4,	AI	14	40	44	295	Extrapolated
	A-B-C-304-E-F-G		3RX, 4X	304 SS	14	40	44	460	Extrapolated
	A-B-C-316-E-F-G		3RX, 4X	316 SS	14	40	44	460	Extrapolated
	A-B-C-ALU-E-F-G	1601 - 2400	3R, 4,	AI	16	50	48	350	Extrapolated
	A-B-C-304-E-F-G		3RX, 4X	304 SS	16	50	48	550	Extrapolated
	A-B-C-316-E-F-G		3RX, 4X	316 SS	16	50	48	550	Extrapolated
	4000-U4-G-ALU-LA-AA-AC-AD-AF-AG-AI	2800 - 4000	3RX	AI	24	50	60	580	UUT-1
	A-B-C-ALU-E-F-G		3R, 4,	AI	24	50	60	630	Interpolated
	A-B-C-304-E-F-G		3RX, 4X	304 SS	24	50	60	930	Interpolated
	A-B-C-316-E-F-G		3RX, 4X	316 SS	24	50	60	930	Interpolated
FFCC-B2	A-B-ALU-D-E-F	400 - 2400	3R, 4,	AI	16	50	48	450	Interpolated
	A-B-304-D-E-F		3RX, 4X	304 SS	16	50	48	640	Interpolated
	A-B-316-D-E-F		3RX, 4X	316 SS	16	50	48	640	Interpolated
	A-B-ALU-D-E-F	2800 - 4000	3R, 4,	AI	24	50	60	650	Interpolated
	A-B-304-D-E-F		3RX, 4X	304 SS	24	50	60	950	Interpolated
	A-B-316-D-E-F		3RX, 4X	316 SS	24	50	60	950	Interpolated
	4000-V6-316RX-LA-AC-AD-AF-AG-AI		3RX	316 SS	24	50	60	850	UUT-5
FFCC-S1	A-B-CDE-CDE-CDE-ALU-G-H-I	100 - 250	3R, 4,	AI	16	36	42	280	Extrapolated
	A-B-CDE-CDE-CDE-304-G-H-I		3RX, 4X	304 SS	16	36	42	410	Extrapolated
	A-B-CDE-CDE-CDE-316-G-H-I		3RX, 4X	316 SS	16	36	42	410	Extrapolated
	A-B-CDE-CDE-CDE-ALU-G-H-I	300 - 400	3R, 4,	AI	24	36	60	550	Extrapolated
	A-B-CDE-CDE-CDE-304-G-H-I		3RX, 4X	304 SS	24	36	60	780	Extrapolated
	A-B-CDE-CDE-CDE-316-G-H-I		3RX, 4X	316 SS	24	36	60	780	Extrapolated
	U4-B-1200LSIG80-1200LSIG80-1200LSIG80-ALURX-LB-AA-AC-AD-AF-AG-AH-AI	1200	3RX	AI	25	48	68	810	UUT-6
	A-B-CDE-CDE-CDE-ALU-G-H-I	601 - 1200	3R, 4,	AI	24	48	68	810	Interpolated
	A-B-CDE-CDE-CDE-304-G-H-I		3RX, 4X	304 SS	24	48	68	1105	Interpolated
	A-B-CDE-CDE-CDE-316-G-H-I		3RX, 4X	316 SS	24	48	68	1105	Interpolated
	U4-B-1200LSI100-1200LSI100-1200LSI100-304RX-LB-AA-AC-AD-AF-AG-AH-AI	1200	3RX	304 SS	25	48	67	1080	UUT-2
	U4-B-1000LSI100-1000LSI100-1000LSI100-304RX-LB-AA-AC-AD-AF-AG-AH-AI	1000	3RX	304 SS	25	48	68	1120	UUT-7

Notes:

1. Refer to Figures 1 through 9 for model nomenclature guide
6. FFCC-C4 is similar to the FFCC-C2 and FFCC-C3 and used for different applications.

Figure 1: Model Number Designation for FFTS-M2N & FFTS-M2F

FFTS-M2N / FFTS-M2F	A	B	C	D	E	F
Base Number	Amps	Voltage	Enclosure Construction	NEMA Rating ¹	Lug Configuration ²	Accessories ³
	100A to 4000 A	V1 to V7	ALU 304 316	N1 (empty) RX N4 4X	LA LB CL	

Voltage	
V1	120/240 (1PH + N + G)
V2	240V (3PH + G)
V3	208/120V (3PH + N + G)
V4	480Y/277V (3PH + N + G)
V5	480V (3PH + G)
V6	600Y/347V (3PH + N + G)
V7	600V (3PH + G)

Enclosure Material	
ALU	5052 Aluminum
304	304 Stainless Steel
316	316 Stainless Steel

NEMA Rating	
N1	Type 1
(empty)	Type 3R
RX	Type 3RX
N4	Type 4
4X	Type 4X

¹Type 3R is standard offering indicated by no notation

Lug Configuration		
Amps	LA	LB
100	(1) #6 AWG - 250 MCM, (1) #2 GND	(1) #4 AWG - 600 MCM, (1) #1/0 GND
200	(1) #6 AWG - 250 MCM, (1) #2 GND	(1) #4 AWG - 600 MCM, (1) #1/0 GND
400	(2) #6 AWG - 250 MCM, (2) #2 GND	(1) #4 AWG - 600 MCM, (1) #1/0 GND
600	(2) #6 AWG - 250 MCM, (2) #2 GND	(2) #4 AWG - 600 MCM, (2) #1/0 GND
800	(3) #4 AWG - 600 MCM, (3) #1/0 GND	(2) 300-800 MCM, (2) #2/0 GND
1200	(4) #4 AWG - 600 MCM, (4) #1/0 GND	(3) 300-800 MCM, (3) #2/0 GND
1600	(5) #4 AWG - 600 MCM, (5) #1/0 GND	(4) 300-800 MCM, (4) #2/0 GND
2000	(6) #4 AWG - 600 MCM, (6) #1/0 GND	(5) 300-800 MCM, (5) #2/0 GND
2400	(8) #4 AWG - 600 MCM, (8) #1/0 GND	(6) 300-800 MCM, (6) #2/0 GND
2800	(9) #4 AWG - 600 MCM, (9) #1/0 GND	(8) 300-800 MCM, (8) #2/0 GND
3000	(9) #4 AWG - 600 MCM, (9) #1/0 GND	(8) 300-800 MCM, (8) #2/0 GND
3200	(10) #4 AWG - 600 MCM, (10) #1/0 GND	(9) 300-800 MCM, (9) #2/0 GND
3600	(11) #4 AWG - 600 MCM, (11) #1/0 GND	(10) 300-800 MCM, (10) #2/0 GND
4000	(12) #4 AWG - 600 MCM, (12) #1/0 GND	(11) 300-800 MCM, (11) #2/0 GND

²CL = custom configuration; can be custom compression lug type, lug size, or lug quantity

Accessories Codes					
Axx	Camlock Cable Set (xx=ft)	AF	Terminal Strip	SER	Service Entrance Access
AB	Custom Powder Coat Color	AG	Phase Sequence Monitor	Blank	None
AC	Heater w/ Stat	AH	Power Meter		
AE	Key Interlock	AI	Micro Switch		

³Multiple Accessory Codes could be added

Figure 2: Model Number Designation for FFIS-C3

FFIS-C3	A	B	C	D	E	F	G	H
Base Number	Amps	CB Trip Unit	Voltage	Connection	Enclosure Construction	NEMA Rating ¹	Lug Configuration ²	Accessories ³
	100A to 1200A	TM, LS, LSI, LSG, LSIG, KS	U1 to U5	L GL	ALU 304 316	N1 (empty) RX N4 4X	LA LB CL	

CB Trip Unit	
TM	Thermal Magnetic
LS	Electronic LS
LSI	Electronic LSI
LSG	Electronic LSG
LSIG	Electronic LSIG
KS	Molded Case Switch

Enclosure Material	
ALU	5052 Aluminum
304	304 SS
316	316 SS

NEMA Rating	
N1	Type 1
(empty)	Type 3R
RX	Type 3RX
N4	Type 4
4X	Type 4X

¹Type 3R is standard offering indicated by no notation

Voltage	
U1	120/240 (1PH + N + G)
U2	240V (3PH + G)
U3	208/120V (3PH + N + G)
U4	480Y/277V (3PH + N + G)
U5	480V (3PH + G)

Lug Configuration			
Amps	LA	LB	
100	(1) #6 AWG - 250 MCM, (1) #2 GND	(1) #4 AWG - 600 MCM, (1) #1/0 GND	
200	(1) #6 AWG - 250 MCM, (1) #2 GND	(1) #4 AWG - 600 MCM, (1) #1/0 GND	
400	(2) #6 AWG - 250 MCM, (2) #2 GND	(1) #4 AWG - 600 MCM, (1) #1/0 GND	
600	(2) #6 AWG - 250 MCM, (2) #2 GND	(2) #4 AWG - 600 MCM, (2) #1/0 GND	
800	(3) #4 AWG - 600 MCM, (3) #1/0 GND	(2) 300-800 MCM, (2) #2/0 GND	
1200	(4) #4 AWG - 600 MCM, (4) #1/0 GND	(3) 300-800 MCM, (3) #2/0 GND	

²CL = custom configuration; can be custom compression lug type, lug size, or lug quantity

Connection	
L	Load Bank (Outlet)
GL	Portable Generator (Inlet) + Load Bank (Outlet)

Accessories Codes					
Axx	Camlock Cable Set (xx=ft)	AE	Key Interlock	AJ	Leg Stand Set
AA	Camlock Snap Covers	AF	Terminal Strip	LDR	Load Dump Receptacle
AB	Custom Powder Coat Color	AG	Phase Sequence Monitor	Blank	None
AC	Heater w/ Stat	AH	Power Meter		
AD	GFCI Receptacle	AI	Micro Switch		

³Multiple Accessory Codes could be added

Figure 3: Model Number Designation for FFCC-CLC

FFCC-CLC	A	B	C	D	E	F
Base Number	Amps	Voltage	Enclosure Construction	NEMA Rating ¹	Lug Configuration ²	Accessories ³
	100A to 4000 A	V1 to V7	ALU 304 316	N1 (empty) RX N4 4X	LA LB CL	

Voltage	
V1	120/240 (1PH + N + G)
V2	240V (3PH + G)
V3	208/120V (3PH + N + G)
V4	480Y/277V (3PH + N + G)
V5	480V (3PH + G)
V6	600Y/347V (3PH + N + G)
V7	600V (3PH + G)

Enclosure Material	
ALU	5052 Aluminum
304	304 Stainless Steel
316	316 Stainless Steel

NEMA Rating	
N1	Type 1
(empty)	Type 3R
RX	Type 3RX
N4	Type 4
4X	Type 4X

¹Type 3R is standard offering indicated by no notation

Lug Configuration		
Amps	LA	LB
100	(1) #6 AWG - 250 MCM, (1) #2 GND	(1) #4 AWG - 600 MCM, (1) #1/0 GND
200	(1) #6 AWG - 250 MCM, (1) #2 GND	(1) #4 AWG - 600 MCM, (1) #1/0 GND
400	(2) #6 AWG - 250 MCM, (2) #2 GND	(1) #4 AWG - 600 MCM, (1) #1/0 GND
600	(2) #6 AWG - 250 MCM, (2) #2 GND	(2) #4 AWG - 600 MCM, (2) #1/0 GND
800	(3) #4 AWG - 600 MCM, (3) #1/0 GND	(2) 300-800 MCM, (2) #2/0 GND
1200	(4) #4 AWG - 600 MCM, (4) #1/0 GND	(3) 300-800 MCM, (3) #2/0 GND
1600	(5) #4 AWG - 600 MCM, (5) #1/0 GND	(4) 300-800 MCM, (4) #2/0 GND
2000	(6) #4 AWG - 600 MCM, (6) #1/0 GND	(5) 300-800 MCM, (5) #2/0 GND
2400	(8) #4 AWG - 600 MCM, (8) #1/0 GND	(6) 300-800 MCM, (6) #2/0 GND
2800	(9) #4 AWG - 600 MCM, (9) #1/0 GND	(8) 300-800 MCM, (8) #2/0 GND
3000	(9) #4 AWG - 600 MCM, (9) #1/0 GND	(8) 300-800 MCM, (8) #2/0 GND
3200	(10) #4 AWG - 600 MCM, (10) #1/0 GND	(9) 300-800 MCM, (9) #2/0 GND
3600	(11) #4 AWG - 600 MCM, (11) #1/0 GND	(10) 300-800 MCM, (10) #2/0 GND
4000	(12) #4 AWG - 600 MCM, (12) #1/0 GND	(11) 300-800 MCM, (11) #2/0 GND

²CL = custom configuration; can be custom compression lug type, lug size, or lug quantity

Accessories Codes					
Axx	Camlock Cable Set (xx=ft)	AF	Terminal Strip	SER	Service Entrance Access
AB	Custom Powder Coat Color	AI	Micro Switch	BE	Bottom Entry
AC	Heater w/ Stat	AJ	Leg Stand Set	Blank	None

³Multiple Accessory Codes could be added

Figure 4: Model Number Designation for FFCC-C1 & FFCC-C4

FFCC-C1 / FFCC-C4	A	B	C	D	E	F	G
Base Number	Amps	Voltage	Connection	Enclosure Construction	NEMA Rating ¹	Lug Configuration ²	Accessories ³
	100A to 1200A	U1 to U5	G L GL	ALU 304 316	N1 (empty) RX N4 4X	LA LB CL	

Voltage	
U1	120/240 (1PH + N + G)
U2	240V (3PH + G)
U3	208/120V (3PH + N + G)
U4	480Y/277V (3PH + N + G)
U5	480V (3PH + G)

Enclosure Material	
ALU	5052 Aluminum
304	304 SS
316	316 SS

NEMA Rating	
N1	Type 1
(empty)	Type 3R
RX	Type 3RX
N4	Type 4
4X	Type 4X

¹Type 3R is standard offering indicated by no notation

Connection	
G	Portable Generator (Inlet)
L	Load Bank
GL	Portable Generator (Inlet) & Load Bank (Outlet)

Lug Configuration		
Amps	LA	LB
100	(1) #6 AWG - 250 MCM, (1) #2 GND	(1) #4 AWG - 600 MCM, (1) #1/0 GND
200	(1) #6 AWG - 250 MCM, (1) #2 GND	(1) #4 AWG - 600 MCM, (1) #1/0 GND
400	(2) #6 AWG - 250 MCM, (2) #2 GND	(1) #4 AWG - 600 MCM, (1) #1/0 GND
600	(2) #6 AWG - 250 MCM, (2) #2 GND	(2) #4 AWG - 600 MCM, (2) #1/0 GND
800	(3) #4 AWG - 600 MCM, (3) #1/0 GND	(2) 300-800 MCM, (2) #2/0 GND
1200	(4) #4 AWG - 600 MCM, (4) #1/0 GND	(3) 300-800 MCM, (3) #2/0 GND

²CL = custom configuration; can be custom compression lug type, lug size, or lug quantity

Accessories Codes					
Axx	Camlock Cable Set (xx=ft)	AG	Phase Sequence Monitor	2WSDS	2 Wire Start Contacts C/W Source Dest Switch
AA	Camlock Snap Covers	AH	Power Meter	ERMS	Energy Reduction Maintenance Setting
AB	Custom Powder Coat Color	AI	Micro Switch	SH24	Shunt Trip 24V
AC	Heater w/ Stat	AJ	Leg Stand	SH120	Shunt Trip 120V
AD	GFCI Receptacle	SER	Service Entrance Access	SPD	Surge Suppression Device
AE	Key Interlock	BE	Bottom Entry	Blank	None
AF	Terminal Strip	LDR	Load Dump Receptacle		
AF2	Two Wire Start Contacts	VI	Voltage Indicator		

³Multiple Accessory Codes could be added

Figure 5: Model Number Designation for FFCC-C2

FFCC-C2	A	B	B	C	D	E	F	G
Base Number	Amps	Type	Voltage	Connection	Enclosure Construction	NEMA Rating ¹	Lug Configuration ²	Accessories ³
	100A to 1200A	T D FT FD	U1 to U5	G L GL	ALU 304 316	N1 (empty) RX N4 4X	LA LB CL	

Voltage	
U1	120/240 (1PH + N + G)
U2	240V (3PH + G)
U3	208/120V (3PH + N + G)
U4	480Y/277V (3PH + N + G)
U5	480V (3PH + G)

NEMA Rating	
N1	Type 1
(empty)	Type 3R
RX	Type 3RX
N4	Type 4
4X	Type 4X

Type	
T	Manual Transfer Switch
D	Rotary Disconnect
FT	Fused Manual Transfer Switch
FD	Fused Rotary Disconnect

¹Type 3R is standard offering indicated by no notation

Connection	
G	Portable Generator (Inlet)
L	Load Bank
GL	Portable Generator (Inlet) & Load Bank (Outlet)

Lug Configuration		
Amps	LA	LB
100	(1) #6 AWG - 250 MCM, (1) #2 GND	(1) #4 AWG - 600 MCM, (1) #1/0 GND
200	(1) #6 AWG - 250 MCM, (1) #2 GND	(1) #4 AWG - 600 MCM, (1) #1/0 GND
400	(2) #6 AWG - 250 MCM, (2) #2 GND	(1) #4 AWG - 600 MCM, (1) #1/0 GND
600	(2) #6 AWG - 250 MCM, (2) #2 GND	(2) #4 AWG - 600 MCM, (2) #1/0 GND
800	(3) #4 AWG - 600 MCM, (3) #1/0 GND	(2) 300-800 MCM, (2) #2/0 GND
1200	(4) #4 AWG - 600 MCM, (4) #1/0 GND	(3) 300-800 MCM, (3) #2/0 GND

²CL = custom configuration; can be custom compression lug type, lug size, or lug quantity

Enclosure Material	
ALU	5052 Aluminum
304	304 SS
316	316 SS

Accessories Codes					
Axx	Camlock Cable Set (xx=ft)	AG	Phase Sequence Monitor	2WSDS	2 Wire Start Contacts C/W Source Dest Switch
AA	Camlock Snap Covers	AH	Power Meter	ERMS	Energy Reduction Maintenance Setting
AB	Custom Powder Coat Color	AI	Micro Switch	SH24	Shunt Trip 24V
AC	Heater w/ Stat	AJ	Leg Stand	SH120	Shunt Trip 120V
AD	GFCI Receptacle	SER	Service Entrance Access	SPD	Surge Suppression Device
AE	Key Interlock	BE	Bottom Entry	Blank	None
AF	Terminal Strip	LDR	Load Dump Receptacle		
AF2	Two Wire Start Contacts	VI	Voltage Indicator		

³Multiple Accessory Codes could be added

Figure 6: Model Number Designation for FFCC-C3

FFCC-C3	A	B	C	D	E	F	G	H
Base Number	Amps	C.B. Trip Unit	Voltage	Connection	Enclosure Construction	NEMA Rating ¹	Lug Configuration ²	Accessories ³
	100A to 1200A	TM, LS, LSI, LSG, LSIG, KS	U1 to U5	G L GL	ALU 304 316	N1 (empty) RX N4 4X	LA LB CL	

C.B Trip Unit	
TM	Thermal Magnetic
LS	Electronic LS
LSI	Electronic LSI
LSG	Electronic LSG
LSIG	Electronic LSIG
KS	Molded Case Switch

Connection	
G	Portable Generator (Inlet)
L	Load Bank
GL	Portable Generator (Inlet) & Load Bank (Outlet)

NEMA Rating	
N1	Type 1
(empty)	Type 3R
RX	Type 3RX
N4	Type 4
4X	Type 4X

¹Type 3R is standard offering indicated by no notation

Voltage	
U1	120/240 (1PH + N + G)
U2	240V (3PH + G)
U3	208/120V (3PH + N + G)
U4	480Y/277V (3PH + N + G)
U5	480V (3PH + G)

Lug Configuration		
Amps	LA	LB
100	(1) #6 AWG - 250 MCM, (1) #2 GND	(1) #4 AWG - 600 MCM, (1) #1/0 GND
200	(1) #6 AWG - 250 MCM, (1) #2 GND	(1) #4 AWG - 600 MCM, (1) #1/0 GND
400	(2) #6 AWG - 250 MCM, (2) #2 GND	(1) #4 AWG - 600 MCM, (1) #1/0 GND
600	(2) #6 AWG - 250 MCM, (2) #2 GND	(2) #4 AWG - 600 MCM, (2) #1/0 GND
800	(3) #4 AWG - 600 MCM, (3) #1/0 GND	(2) 300-800 MCM, (2) #2/0 GND
1200	(4) #4 AWG - 600 MCM, (4) #1/0 GND	(3) 300-800 MCM, (3) #2/0 GND

²CL = custom configuration; can be custom compression lug type, lug size, or lug quantity

Enclosure Material	
ALU	5052 Aluminum
304	304 SS
316	316 SS

Accessories Codes					
Axx	Camlock Cable Set (xx=ft)	AG	Phase Sequence Monitor	2WSDS	2 Wire Start Contacts C/W Source Dest
AA	Camlock Snap Covers	AH	Power Meter	ERMS	Energy Reduction Maintenance Setting
AB	Custom Powder Coat Color	AI	Micro Switch	SH24	Shunt Trip 24V
AC	Heater w/ Stat	AJ	Leg Stand	SH120	Shunt Trip 120V
AD	GFCI Receptacle	SER	Service Entrance Access	SPD	Surge Suppression Device
AE	Key Interlock	BE	Bottom Entry	VI	Voltage Indicator
AF	Terminal Strip	LDR	Load Dump Receptacle	AF2	Two Wire Start Contacts

³Multiple Accessory Codes could be added

Figure 7: Model Number Designation for FFCC-B1

FFCC-B1	A	B	C	D	E	F	G
Base Number	Amps	Voltage	Connection	Enclosure Construction	NEMA Rating ¹	Lug Configuration ²	Accessories ³
	400A to 4000A	U1 to U5	G L	ALU 304 316	N1 (empty) RX N4 4X	LA LB CL	

Voltage	
U1	120/240 (1PH + N + G)
U2	240V (3PH + G)
U3	208/120V (3PH + N + G)
U4	480Y/277V (3PH + N + G)
U5	480V (3PH + G)

Connection	
G	Portable Generator (Inlet)
L	Load Bank

Enclosure Material	
ALU	5052 Aluminum
304	304 SS
316	316 SS

NEMA Rating	
N1	Type 1
(empty)	Type 3R
RX	Type 3RX
N4	Type 4
4X	Type 4X

¹Type 3R is standard offering indicated by no notation

Lug Configuration		
Amps	LA	LB
400	(2) #6 AWG - 250 MCM, (2) #2 GND	(1) #4 AWG - 600 MCM, (1) #1/0 GND
600	(2) #6 AWG - 250 MCM, (2) #2 GND	(2) #4 AWG - 600 MCM, (2) #1/0 GND
800	(3) #4 AWG - 600 MCM, (3) #1/0 GND	(2) 300-800 MCM, (2) #2/0 GND
1200	(4) #4 AWG - 600 MCM, (4) #1/0 GND	(3) 300-800 MCM, (3) #2/0 GND
1600	(5) #4 AWG - 600 MCM, (5) #1/0 GND	(4) 300-800 MCM, (4) #2/0 GND
2000	(6) #4 AWG - 600 MCM, (6) #1/0 GND	(5) 300-800 MCM, (5) #2/0 GND
2400	(8) #4 AWG - 600 MCM, (8) #1/0 GND	(6) 300-800 MCM, (6) #2/0 GND
2800	(9) #4 AWG - 600 MCM, (9) #1/0 GND	(8) 300-800 MCM, (8) #2/0 GND
3000	(9) #4 AWG - 600 MCM, (9) #1/0 GND	(8) 300-800 MCM, (8) #2/0 GND
3200	(10) #4 AWG - 600 MCM, (10) #1/0 GND	(9) 300-800 MCM, (9) #2/0 GND
3600	(11) #4 AWG - 600 MCM, (11) #1/0 GND	(10) 300-800 MCM, (10) #2/0 GND
4000	(12) #4 AWG - 600 MCM, (12) #1/0 GND	(11) 300-800 MCM, (11) #2/0 GND

²CL = custom configuration; can be custom compression lug type, lug size, or lug quantity

Accessories Code			
Axx	Camlock Cable Set (xx=ft)	AI	Micro Switch
AB	Custom Powder Coat Color	AJ	Leg Stand
AC	Heater w/ Stat	BE	Bottom Entry
AF	Terminal Strip	Blank	None

³Multiple Accessory Codes could be added

Figure 8: Model Number Designation for FFCC-B2

FFCC-B2	A	B	C	D	E	F
Base Number	Amps	Voltage	Enclosure Construction	NEMA Rating ¹	Lug Configuration ²	Accessories ³
	400A to 4000A	V1 to V7	ALU 304 316	N1 (empty) RX N4 4X	LA LB CL	

Voltage	
V1	120/240 (1PH + N + G)
V2	240V (3PH + G)
V3	208/120V (3PH + N + G)
V4	480Y/277V (3PH + N + G)
V5	480V (3PH + G)
V6	600Y/347V (3PH + N + G)
V7	600V (3PH + G)

Enclosure Material	
ALU	5052 Aluminum
304	304 SS
316	316 SS

NEMA Rating	
N1	Type 1
(empty)	Type 3R
RX	Type 3RX
N4	Type 4
4X	Type 4X

Lug Configuration			
Amps	LA	LB	
400	(2) #6 AWG - 250 MCM, (2) #2 GND	(1) #4 AWG - 600 MCM, (1) #1/0 GND	
600	(2) #6 AWG - 250 MCM, (2) #2 GND	(2) #4 AWG - 600 MCM, (2) #1/0 GND	
800	(3) #4 AWG - 600 MCM, (3) #1/0 GND	(2) 300-800 MCM, (2) #2/0 GND	
1200	(4) #4 AWG - 600 MCM, (4) #1/0 GND	(3) 300-800 MCM, (3) #2/0 GND	
1600	(5) #4 AWG - 600 MCM, (5) #1/0 GND	(4) 300-800 MCM, (4) #2/0 GND	
2000	(6) #4 AWG - 600 MCM, (6) #1/0 GND	(5) 300-800 MCM, (5) #2/0 GND	
2400	(8) #4 AWG - 600 MCM, (8) #1/0 GND	(6) 300-800 MCM, (6) #2/0 GND	
2800	(9) #4 AWG - 600 MCM, (9) #1/0 GND	(8) 300-800 MCM, (8) #2/0 GND	
3000	(9) #4 AWG - 600 MCM, (9) #1/0 GND	(8) 300-800 MCM, (8) #2/0 GND	
3200	(10) #4 AWG - 600 MCM, (10) #1/0 GND	(9) 300-800 MCM, (9) #2/0 GND	
3600	(11) #4 AWG - 600 MCM, (11) #1/0 GND	(10) 300-800 MCM, (10) #2/0 GND	
4000	(12) #4 AWG - 600 MCM, (12) #1/0 GND	(11) 300-800 MCM, (11) #2/0 GND	

Accessories Code			
Axx	Camlock Cable Set (xx=ft)	AI	Micro Switch
AB	Custom Powder Coat Color	AJ	Leg Stand
AC	Heater w/ Stat	BE	Bottom Entry
AF	Terminal Strip	Blank	None

¹Type 3R is standard offering indicated by no notation

²CL = custom configuration; can be custom compression lug type, lug size, or lug quantity

³Multiple Accessory Codes could be added

Figure 9: Model Number Designation for FFCC-S1

FFCC-S1	A	B	C	D	E	F	G	H	I
Base Number	Voltage	Assembly SCCR (kA)	Load Bank C.B. Trip Unit	Load Bank C.B. Amps	Load Bank C.B. Rating	Enclosure Construction	NEMA Rating ¹	Lug Configuration ²	Accessories ³
	U1 to U5	A B C	100A to 1200A	TM, LS, LSI, LSG, LSIG, KS	80 100	ALU 304 316	N1 (empty) RX N4 4X	LA LB CL	

Voltage	
U1	120/240 (1PH + N + G)
U2	240V (3PH + G)
U3	208/120V (3PH + N + G)
U4	480Y/277V (3PH + N + G)
U5	480V (3PH + G)

Load Bank C.B. Rating	
80	80% Rated
100	100% Rated

Enclosure Material	
ALU	5052 Al
304	304 SS
316	316 SS

NEMA Rating	
N1	Type 1
(empty)	Type 3R
RX	Type 3RX
N4	Type 4
4X	Type 4X

¹Type 3R is standard offering indicated by no notation

Lug Configuration		
Amps	LA	LB
100	(1) #6 AWG - 250 MCM, (1) #2 GND	(1) #4 AWG - 600 MCM, (1) #1/0 GND
200	(1) #6 AWG - 250 MCM, (1) #2 GND	(1) #4 AWG - 600 MCM, (1) #1/0 GND
400	(2) #6 AWG - 250 MCM, (2) #2 GND	(1) #4 AWG - 600 MCM, (1) #1/0 GND
600	(2) #6 AWG - 250 MCM, (2) #2 GND	(2) #4 AWG - 600 MCM, (2) #1/0 GND
800	(3) #4 AWG - 600 MCM, (3) #1/0 GND	(2) 300-800 MCM, (2) #2/0 GND
1200	(4) #4 AWG - 600 MCM, (4) #1/0 GND	(3) 300-800 MCM, (3) #2/0 GND

²CL = custom configuration; can be custom compression lug type, lug size, or lug quantity

Accessories Codes					
Axx	Camlock Cable Set (xx=ft)	AF2	Two Wire Start Contacts	LDR	Load Dump Receptacle
AA	Camlock Snap Covers	AG	Phase Sequence Monitor	2WSDS	2 Wire Start Contacts C/W Source
AB	Custom Powder Coat Color	AH	Power Meter	ERMS	Energy Reduction Maintenance Setting
AC	Heater w/ Stat	AI	Micro Switch	SH24	Shunt Trip 24V
AD	GFCI Receptacle	AJ	Leg Stand	SH120	Shunt Trip 120V
AE	Key Interlock	SER	Service Entrance Access	SPD	Surge Suppression Device
AF	Terminal Strip	BE	Bottom Entry	VI	Voltage Indicator

³Multiple Accessory Codes could be added

Table 2: Certified Wall Mounted Enclosures

NEMA Rating	Material	Gauge Thickness	Manufacturer	Dimensions [in]			Weight [lbs]	UUT
				Depth	Width	Height		
3R, 4, 3RX, 4X	Aluminum	11	Fox Fab	8	24	30	47	Extrapolated
3R, 4, 3RX, 4X	Aluminum			16	30	36	72	Extrapolated
3R, 4, 3RX, 4X	Aluminum			16	30	42	81	Extrapolated
3R, 4, 3RX, 4X	Aluminum			16	36	42	95	Extrapolated
3R, 4, 3RX, 4X	Aluminum			24	30	42	97	Extrapolated
3R, 4, 3RX, 4X	Aluminum			14	40	44	115	Extrapolated
3R, 4, 3RX, 4X	Aluminum			16	36	50	118	Extrapolated
3R, 4, 3RX, 4X	Aluminum			16	50	48	152	Extrapolated
3R, 4, 3RX, 4X	Aluminum			24	36	60	152	UUT-4
3R, 4, 3RX, 4X	Aluminum			24	48	60	188	Interpolated
3R, 4, 3RX, 4X	Aluminum			24	50	60	195	UUT-1
3R, 4, 3RX, 4X	Aluminum			24	48	68	202	UUT-6
3R, 4, 3RX, 4X	Aluminum	12	Fox Fab	30	36	72	220	Extrapolated
3R, 4, 3RX, 4X	304 SS / 316 SS			8	24	30	120	Extrapolated
3R, 4, 3RX, 4X	304 SS / 316 SS			16	30	36	169	Extrapolated
3R, 4, 3RX, 4X	304 SS / 316 SS			16	30	42	205	Extrapolated
3R, 4, 3RX, 4X	304 SS / 316 SS			24	30	42	229	UUT-3
3R, 4, 3RX, 4X	304 SS / 316 SS			16	36	42	245	Extrapolated
3R, 4, 3RX, 4X	304 SS / 316 SS			16	36	50	273	Extrapolated
3R, 4, 3RX, 4X	304 SS / 316 SS			14	40	44	280	Extrapolated
3R, 4, 3RX, 4X	304 SS / 316 SS			16	50	48	388	Extrapolated
3R, 4, 3RX, 4X	304 SS / 316 SS			24	36	60	388	Interpolated
3R, 4, 3RX, 4X	304 SS / 316 SS			24	48	60	470	Interpolated
3R, 4, 3RX, 4X	304 SS / 316 SS			24	50	60	488	UUT-5
3R, 4, 3RX, 4X	304 SS / 316 SS			24	48	68	497	UUT-2, UUT-7
3R, 4, 3RX, 4X	304 SS / 316 SS			30	36	72	556	UUT-8

Table 3: Certified Subcomponent - Transfer Switch

Part Number	Manufacturer	Rating [Amps]	Mounting	Material	Weight [lbs]	UUT
2700 3011	Socomec ¹ Non-Fusible Disconnect Switch	100	Vertical Panel Mounted	Plastic and Carbon Steel	6	Extrapolated
2700 4011		100			7	Extrapolated
2700 3021		200			6	Extrapolated
2700 4021		200			5	Extrapolated
2700 3041		400			14	Extrapolated
2700 4041		400			17	Extrapolated
2700 3060		600			19	Extrapolated
2700 4060		600			27	Extrapolated
2700 3080		800			26	Extrapolated
2700 4080		800			31	Extrapolated
2700 3100		1000			26	Extrapolated
2700 4100		1000			31	Extrapolated
2700 3120	Socomec ¹ Fusible Disconnect Switch	1200	Vertical Panel Mounted	Plastic and Carbon Steel	25	Extrapolated
2700 4120		1200			31	Extrapolated
3861 2006		60			5	Extrapolated
3861 3006		60			6	Extrapolated
3861 6006		60			7	Extrapolated
3861 2010		100			5	Extrapolated
3861 3010		100			6	Extrapolated
3861 6010		100			7	Extrapolated
3861 2020		200			6	Extrapolated
3861 3020		200			8	Extrapolated
3861 6020		200			11	Extrapolated
3851 2038	Socomec ¹ Manual Disconnect Switch	400	Vertical Panel Mounted	Plastic and Carbon Steel	12	Extrapolated
3851 3038		400			17	Extrapolated
3851 6038		400			21	Extrapolated
3850 2060		600			34	Extrapolated
3850 3060		600			73	Extrapolated
3850 6060		600			66	Extrapolated
3850 2080		800			75	Extrapolated
3850 3080		800			75	Extrapolated
3850 6080		800			75	Extrapolated
4150 2012	Socomec ¹ Manual Disconnect Switch	100	Vertical Panel Mounted	Plastic and Carbon Steel	14	Extrapolated
4150 3012		100			14	Extrapolated
4150 4012		100			15	Extrapolated
4150 2022		200			14	Extrapolated
4150 3022		200			14	Extrapolated
4150 4022		200			14	Extrapolated
4150 2026		260			24	Extrapolated
4150 3026		260			24	Extrapolated
4150 4026		260			28	Extrapolated
4150 2042		400			24	Extrapolated
4150 3042		400			24	Extrapolated
4150 4042		400			28	Extrapolated
4150 3060		600			80	Extrapolated
4150 4060		600			88	Extrapolated
4150 3080		800			104	Extrapolated
4150 4080		800			104	Extrapolated
4150 3120	Socomec ¹ Manual Disconnect Switch	1200	Vertical Panel Mounted	Plastic and Carbon Steel	104	Extrapolated
4150 4120		1200			104	UUT-4, UUT-8

Notes:

1. Socomec non-fusible and fusible disconnect switches are similar in regards to function and attach in an identical manner as the tested manual disconnect switch

Table 3: Certified Subcomponent - Transfer Switch, Continued

Part Number	Manufacturer	Rating [Amps]	Mounting	Material	Weight [lbs]	UUT
XT1	ABB ²	125	Vertical Panel Mounted	Plastic and Carbon Steel	7	Extrapolated
XT2		225			9	Extrapolated
XT3		225			10	Extrapolated
XT4		250			15	Extrapolated ³
XT5		600			16	Extrapolated
XT6		800			34	Extrapolated
XT7		1200			88	Extrapolated
XT7H M		1200			94	Extrapolated ⁴

Notes:

- ABB transfer switches are depopulated circuit breakers
- XT4 transfer is a depopulated version of the Tmax XT4 tested on UUT-3
- XT7H M is a depopulated version of the Tmax XT7M tested on UUTs -2 & -6

Table 4: Certified Subcomponent - Circuit Breaker

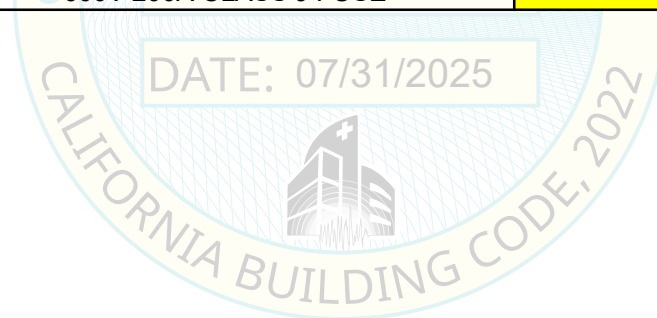
Part Number	Manufacturer	Rating [Amps]	Mounting	Material	Weight [lbs]	UUT
3VA6710-6HN31-2AA0	Siemens	1000	Vertical Panel Mounted	Plastic and Carbon Steel	53	UUT-7
Tmax XT1	ABB	125	Vertical Panel Mounted	Plastic and Carbon Steel	7	Extrapolated
Tmax XT2		125			9	Extrapolated
Tmax XT3		225			10	Extrapolated
Tmax XT4		250			15	UUT-3
Tmax XT5		600			16	Interpolated
Tmax XT6		800			34	Interpolated
Tmax XT7		1200			88	Interpolated
Tmax XT7 M		1200			94	UUT-2, UUT-6

Table 5: Certified Subcomponent - Transformers

Part Number	Description	Manufacturer	Weight [lb]	UUT
SP50SP	50VA - 1PH - 208/416V-120/240V	Hammond Power Solutions	2	UUT-3
SP50PR	50VA-1PH-120X240-12X24VAC		2	Interpolated
SP50ACP	50VA-1PH-600X480V-120X240VAC		3	UUT-1, UUT-2, UUT-5, UUT-6, UUT-7, UUT-8
SP250SP	250VA, 208/416V - 240/120V		3	UUT-3
SP100SP	100VA-1PH-208X416-120X240VAC		3	Interpolated
SP100ACP	100VA - 1PH - 600/480V-120/240V		4	Interpolated
SP150ACP	150VA-1PH-600X480-120X240VAC		5	Interpolated
SP250ACP	250VA-1PH-480X600-120X240VAC		7	UUT-4

Table 6: Certified Subcomponent - Fuses

Part Number	Description	Manufacturer	Weight [lb]	UUT
ATMR1/2	CC FA FUSE 600V 1/2A ATMR	Mersen Fuses	<1	Extrapolated
ATMR1	CC FA FUSE 600V 1A ATMR		<1	Extrapolated
ATMR2	CC FA FUSE 600V 2A ATMR		<1	Extrapolated
ATMR3	CC FA FUSE 600V 3A ATMR		<1	Extrapolated
ATMR5	CC FA FUSE 600V 5A ATMR		<1	Extrapolated
ATMR6	CC FA FUSE 600V 6A ATMR		<1	Extrapolated
ATMR10	CC FA FUSE 600V 10A ATMR		<1	Extrapolated
ATDR1	CC TD FUSE 600V 1A ATDR		<1	Extrapolated
ATDR2	CC TD FUSE 600V 2A ATDR		<1	Extrapolated
ATDR3	CC TD FUSE 600V 3A ATDR		<1	Extrapolated
ATDR5	CC TD FUSE 600V 5A ATDR		<1	Extrapolated
ATDR6	CC TD FUSE 600V 6A ATDR		<1	Extrapolated
ATDR10	CC TD FUSE 600V 10A ATDR		<1	Extrapolated
ATDR30	CC TD FUSE 600V 30A ATDR		<1	Extrapolated
ATQR1/2	CC TD FUSE 600V 1/2A ATQR		<1	Extrapolated
ATQR1	CC TD FUSE 600V 1A ATQR		<1	UUT-1, UUT-2, UUT-3, UUT-4, UUT-5, UUT-6, UUT-7, UUT-8
ATQR2	CC TD FUSE 600V 2A ATQR		<1	Interpolated
ATQR3	CC TD FUSE 600V 3A ATQR		<1	UUT-3
ATQR10	CC TD FUSE 600V 10A ATQR		<1	Extrapolated
A4J50	600V 50A CLASS J FUSE		<1	Extrapolated
A4J100	600V 100A CLASS J FUSE		<1	Extrapolated
A4J150	600V 150A CLASS J FUSE		<1	Extrapolated
A4J200	600V 200A CLASS J FUSE		<1	Extrapolated





UNIT UNDER TEST (UUT) Summary Sheet

UUT-1

Test Report: DCL 23238-2301

Model Line	Model Number	Manufacturer
FFCC-B1	FFCC-B1-4000-U4-G-ALU-LA-AA-AC-AD-AF-AG-AI	FoxFab Power Solutions

Product Construction Summary

Aluminum NEMA 3RX Enclosure

Options / Subcomponent Summary

Enclosure: FoxFab; Transformer: Hammond Power Solutions; Fuses: Mersen Fuses

UUT Properties

Weight [lbs]	Dimensions [in]			Lowest Nat. Freq. [Hz]		
	Depth	Width	Height	F-B	S-S	V
580	24.0	50.0	60.0	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

Test Mounting Details

UUT-1 was mounted directly to the wall fixture using (4) 3/8" diameter Grade 8 bolts with (2) carbon steel plate washers per bolt.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



UNIT UNDER TEST (UUT) Summary Sheet

UUT-2

Test Report: DCL 23238-2301

Model Line	Model Number	Manufacturer
FFCC-S1	FFCC-S1-U4-B-1200LSI100-1200LSI100-1200LSI100-304RX-LB-AA-AC-AD-AF-AG-AH-AI	FoxFab Power Solutions

Product Construction Summary

304 Stainless Steel NEMA 3RX Enclosure

Options / Subcomponent Summary

Enclosure: FoxFab; Circuit Breaker: ABB; Transformer: Hammond Power Solutions; Fuses: Mersen Fuses

UUT Properties

Weight [lbs]	Dimensions [in]			Lowest Nat. Freq. [Hz]		
	Depth	Width	Height	F-B	S-S	V
1,080	25.0	48.0	67.0	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

Test Mounting Details

UUT-2 was mounted directly to the wall fixture using (4) 3/8" diameter Grade 8 bolts with (2) carbon steel plate washers per bolt.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



UNIT UNDER TEST (UUT) Summary Sheet

UUT-3

Test Report: DCL 23238-2301

Model Line	Model Number	Manufacturer
FFIS-C3	FFIS-C3-250-LSI-U3-GL-3164X-LA-AA-AC-AD-AE-AF-AG-AH-AI	FoxFab Power Solutions

Product Construction Summary

316 Stainless Steel NEMA 4X Enclosure

Options / Subcomponent Summary

Enclosure: FoxFab; Circuit Breaker: ABB; Transformer: Hammond Power Solutions; Fuses: Mersen Fuses

UUT Properties

Weight [lbs]	Dimensions [in]			Lowest Nat. Freq. [Hz]		
	Depth	Width	Height	F-B	S-S	V
380	25.0	30.0	43.0	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

Test Mounting Details

UUT-3 was mounted directly to the wall fixture using (8) 1/4" diameter Grade 8 bolts with (1) carbon steel plate washer per bolt.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



UNIT UNDER TEST (UUT) Summary Sheet

UUT-4

Test Report: DCL 23238-2301

Model Line	Model Number	Manufacturer
FFCC-C2	FFCC-C2-1200-T-U4-G-ALU4X-LB-AA-AF-AC-AD2-AD3-AG-AE-AH-AI	FoxFab Power Solutions

Product Construction Summary

Aluminum NEMA 4X Enclosure

Options / Subcomponent Summary

Enclosure: FoxFab; Transfer Switch: Socomec; Transformer: Hammond Power Solutions; Fuses: Mersen Fuses

UUT Properties

Weight [lbs]	Dimensions [in]			Lowest Nat. Freq. [Hz]		
	Depth	Width	Height	F-B	S-S	V
480	25.0	36.0	61.0	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

Test Mounting Details

UUT-4 was mounted directly to the wall fixture using (8) 3/8" diameter Grade 8 bolts with (1) carbon steel plate washer per bolt.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



UNIT UNDER TEST (UUT) Summary Sheet

UUT-5

Test Report: DCL 23237-2301

Model Line	Model Number	Manufacturer
FFCC-B2	FFCC-B2-4000-V6-316RX-LA-AC-AD-AF-AG-AI	FoxFab Power Solutions

Product Construction Summary

316 Stainless Steel NEMA 3RX Enclosure

Options / Subcomponent Summary

Enclosure: FoxFab; Transformer: Hammond Power Solutions; Fuses: Mersen Fuses

UUT Properties

Weight [lbs]	Dimensions [in]			Lowest Nat. Freq. [Hz]		
	Depth	Width	Height	F-B	S-S	V
850	24.0	50.0	60.0	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

Test Mounting Details

UUT-5 was mounted directly to the wall fixture using (4) 3/8" diameter Grade 5 bolts with (2) carbon steel plate washers per bolt.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



UNIT UNDER TEST (UUT) Summary Sheet

UUT-6

Test Report: DCL 23237-2301

Model Line	Model Number	Manufacturer
FFCC-S1	FFCC-S1-U4-B-1200LSIG80-1200LSIG80-1200LSIG80-ALURX-LB-AA-AC-AD-AF-AG-AH-AI	FoxFab Power Solutions

Product Construction Summary

Aluminum NEMA 3RX Enclosure

Options / Subcomponent Summary

Enclosure: FoxFab; Circuit Breaker: ABB; Transformer: Hammond Power Solutions; Fuses: Mersen Fuses

UUT Properties

Weight [lbs]	Dimensions [in]			Lowest Nat. Freq. [Hz]		
	Depth	Width	Height	F-B	S-S	V
810	25.0	48.0	68.0	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

Test Mounting Details

UUT-6 was mounted directly to the wall fixture using (4) 3/8" diameter Grade 5 bolts with (2) carbon steel plate washers per bolt.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



UNIT UNDER TEST (UUT) Summary Sheet

UUT-7

Test Report: DCL 23238-2301

Model Line	Model Number	Manufacturer
FFCC-S1	FFCC-S1-U4-B-1000LSI100-1000LSI100-1000LSI100-304RX-LB-AA-AC-AD-AF-AG-AH-AI	FoxFab Power Solutions

Product Construction Summary

304 Stainless Steel NEMA 3RX Enclosure

Options / Subcomponent Summary

Enclosure: FoxFab; Circuit Breaker: Siemens; Transformer: Hammond Power Solutions; Fuses: Mersen Fuses

UUT Properties

Weight [lbs]	Dimensions [in]			Lowest Nat. Freq. [Hz]		
	Depth	Width	Height	F-B	S-S	V
1,120	25.0	48.0	68.0	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

Test Mounting Details

UUT-7 was mounted directly to the wall fixture using (4) 3/8" diameter Grade 8 bolts with (1) carbon steel plate washer per bolt.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



UNIT UNDER TEST (UUT) Summary Sheet

UUT-8

Test Report: DCL 23237-2301; UUT-11

Model Line	Model Number	Manufacturer
FFCC-C2	FFCC-C2-1200-FT-U4-G-304-LA-AA-AC-AF-AF2-AE-AD2-AD3-AG-AI	FoxFab Power Solutions

Product Construction Summary

304 Stainless Steel NEMA 3R Enclosure

Options / Subcomponent Summary

Enclosure: FoxFab; Transfer Switch: Socomec

UUT Properties

Weight [lbs]	Dimensions [in]			Lowest Nat. Freq. [Hz]		
	Depth	Width	Height	F-B	S-S	V
770	30.0	36.0	72.0	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

Test Mounting Details

UUT-8 was mounted directly to the wall fixture using (4) 3/8" diameter Grade 5 bolts with (2) carbon steel plate washers per bolt.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.