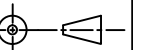


CHAMELEON PRODUCT GUIDE

REVISION CHANGE HISTORY

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DESCRIPTION OF CHANGE PER ECO NO.		
NEW DRAWING RELEASE		
ENGINEER Franky Huang	ENG. 08-27-15	 ELTEK
DRAFTER FMH	DRAWN	
APPROVED	IFS	CAD AUTOCAD
		ASSEMBLY DRAWING
		CHAMELEON PRODUCT GUIDE
		REVISION CHANGE HISTORY
		DRAWING ISSUE DATE
		DRAWING NUMBER 2209569
		REV 1

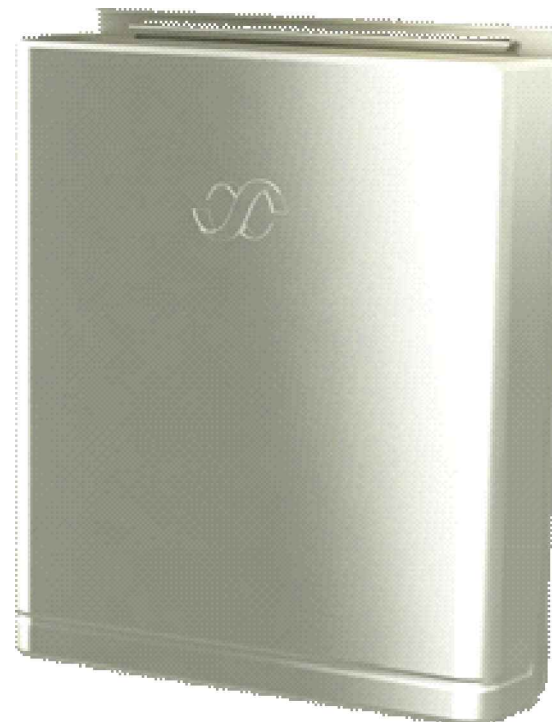
CHAMELEON PRODUCT GUIDE



STANDALONE RECTIFIER, P/N 241125.105



POWER CORE, P/N MFGC0212.051



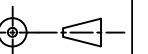
SYSTEM WITH BATTERY BOX, P/N MFGC0212.000

TABLE A INDEX		
SHEET CONTENTS	SECTION	NOTE
STANDALONE RECTIFIER (P/N: 241125.105)	1.0	
POWER CORE SYSTEM (P/N: MFGC0212.051)	1.1	
POWER CORE WITH BATTERY BOX (P/N: MFGC0212.000 OR MFGC0212.001)	1.2	
SYSTEM SPARE PARTS AND ACCESSORIES	2.0	
SCHEMATIC DIAGRAM FOR MFGC0212.051 OR POWER CORE OF MFGC0212.001	3.0	
SCHEMATIC DIAGRAM FOR MFGC0212.000	3.1	
CUSTOMER REFERENCE DOCUMENTS	4.0	

TABEL B SYSTEM COMPLIANT STANDARDS FOR STAND ALONE SYSTEM (P/N 241125.105)	
ELECTRICAL SAFETY	UL 60950-1:2011, UL 60950-22:2011 EN 60950-1:2006+A11:2009+A1:2010+A12:2011, EN 60950-22:2006+A11:2008
EMI/EMC	ETSI EN 300 386 V.1.6.1, FCC PART 15 SUBPART 109:2013; NEBS GR-1089 EN 61000-6-1:2007, -6-2:2005, - 6-3:2007 + A1:2010, - 6-4:2007 + A1:2010,
ENVIRONMENT	ETSI EN 300 019: -2-1 (CLASS 1.2), -2-2 (CLASS 2.3) & -2-4 (CLASS 4.1E & 4.2H) ROHS (2011/65/EU) AND WEEE (2002/96/EC) COMPLIANT SEISMIC ZONE 4, NEBS GR-63, GR-3108 CLASS 4, GR-487

TABEL C SYSTEM COMPLIANT STANDARDS FOR POWER CORE (P/N 241125.502)	
ELECTRICAL SAFETY	EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2.2013, EN 60950-22:2006+A11:2008 CAN/CSA C22.2 NO. 60950-1-07 2ND ED. UL 60950-1:2011, UL 60950-22:2011
EMI/EMC	FCC CFR PART 15 2010, NEBS GR-1089
ENVIRONMENT	SEISMIC ZONE 4, NEBS GR-63, GR-3108 CLASS 4, GR-487

TABEL D SYSTEM COMPLIANT STANDARDS FOR SYSTEM WITH BATTERY BOX (P/N MFGC0212.000 OR MFGC0212.001)	
ELECTRICAL SAFETY	EN 60950-1:2006+A11:2009+A1:2010+A12:2011, EN 60950-22:2006+A11:2008 UL 60950-1:2011, UL 60950-22:2011
EMI/EMC	ETSI EN 300 386 V.1.6.1, FCC PART 15 SUBPART 109:2013 EN 61000-6-1:2007, -6-2:2005, - 6-3:2007 + A1:2010, - 6-4:2007 + A1:2010
ENVIRONMENT	ETSI EN 300 019-2-1 CLASS 1.2, -2 CLASS 2.2, -4 CLASS 4.1E + 4.2H



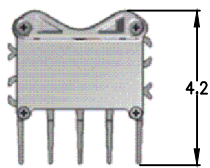
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UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONAL TOLERANCES ARE ±.010		
DESCRIPTION OF CHANGE PER ECO NO. NEW DRAWING RELEASE		
ENGINEER Franky Huang	ENG. 08-27-15	 ELTEK
DRAFTER FMH	DRAWN	
APPROVED	IFS	CAD AUTOCAD
		ASSEMBLY DRAWING CHAMELEON PRODUCT GUIDE COVER
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		DRAWING NUMBER 2209569
		REV 1

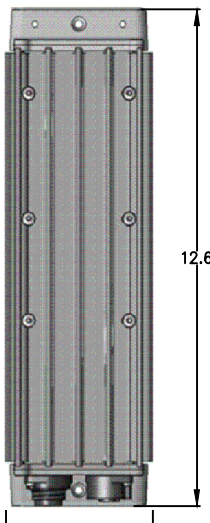
SECTION 1.0 STAND ALONE RECTIFIER

TABLE 1A STAND ALONE RECTIFIER

PART NUMBER	DESCRIPTION	NOMINAL INPUT VOLTAGE AND INPUT RANGE	MAX. INPUT CURRENT (A)	INPUT CONNECTOR	NOMINAL VOLTAGE AND RANGE	OUTPUT CURRENT @ NOMINAL OUTPUT VOLTAGE	EFFICIENCY	OUTPUT CONNECTOR	AGENCY APPROVAL	WIDTH (IN)	DEPTH (IN)	HEIGHT (IN)	EST. WEIGHT (LBS)	NOTE
241125.105	CHAMELEON STAND ALONE HE RECTIFIER, 48VDC/650W OUTPUT, IP65 INCLUDING RECTIFIER AND COOLING CASE - INPUT: NOMINAL 185-275VAC, OPERATING RANGE 85-305VAC; MAX. CURRENT 4.4A - INPUT CONNECTION: L1, L2/N & PE, BINDER CONNECTOR TYPE (SEE SECTION 2.0 FOR P/NS) - OUTPUT: DEFAULT 53.5VDC (43.2 - 57.6VDC VOLTAGE RANGE), 650W, 12.1A @ 185-275VAC; DEFAULT 53.5VDC (43.2 - 57.6VDC VOLTAGE RANGE), 468W, 8.7A @ 120VAC LINEARLY DERATES BELOW 185VAC TO 370W @ 85VAC; - EFFICIENCY: UP TO 95.5% - HOLD UP TIME: >20mS (OUTPUT VOLTAGE > 42VDC) - PROTECTION: FUSE IN L & N INPUT, SHUTDOWN ABOVE 305VAC, ORING FET ON OUTPUT, SHORT CIRCUIT PROOF, HIGH TEMPERATURE PROTECTION - ALARMS, RELAY OUTPUT (NO), SWITCHING CAPACITY MAX. 75V/2A/60W, ALARMS INCLUDE: OPEN AND NO POWER OUTPUT, LOW/HIGH MAINS OR TEMPERATURE SHUTDOWN, RECTIFIER FAILURE, OVERVOLTAGE ON OUTPUT - COOLING: NATURAL CONVECTION - OUTPUT CONNECTION: SYSTEM OUTPUT: DC+, DC-; ALARM RELAY OUTPUT: C & NC; CAN BUS: CAN H & CAN L; BINDER CONNECTOR TYPE, SEE SECTION 2.0 FOR P/NS - ZONE 4 COMPLIANT - OPERATING TEMPERATURE: -40 TO +55°C; SHUTDOWN ABOVE 70°C - DIMENSION AND WEIGHT: 3.78" W x 12.63" H x 4.19" D; 6.2LBS	NOMINAL: 185-275VAC RANGE: 85-305VAC UL RATED: 100-250VAC	4.4	L1, L2/N AND PE BINDER CONNECTOR TYPE, SEE TABLE 2A IN SECTION 2.0 FOR DETAIL	NOMINAL: 53.5VDC RANGE: 43.2 - 57.6VDC	12.1A/650W @ 185-275VAC 8.7A/468W @ 120VAC 6.9A/468W @ 85VAC	UP TO 95.5%	DC+ & DC-; RELAY C & NC; CAN H & CAN L BINDER CONNECTOR TYPE, SEE TABLE 2B IN SECTION 2.0 FOR DETAIL	UL, CE, RoHS NEBS	3.78	4.19	12.63	6.2	
241125.910	CHAMELEON POLE CLAMP KIT, INCLUDING TWO TYPES OF POLE CLAMPS: - SMALL CLAMPS FOR POLE WITH Ø1.57-3.74" - LARGE CLAMPS FOR POLE WITH Ø3.54-5.31"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	



TOP VIEW

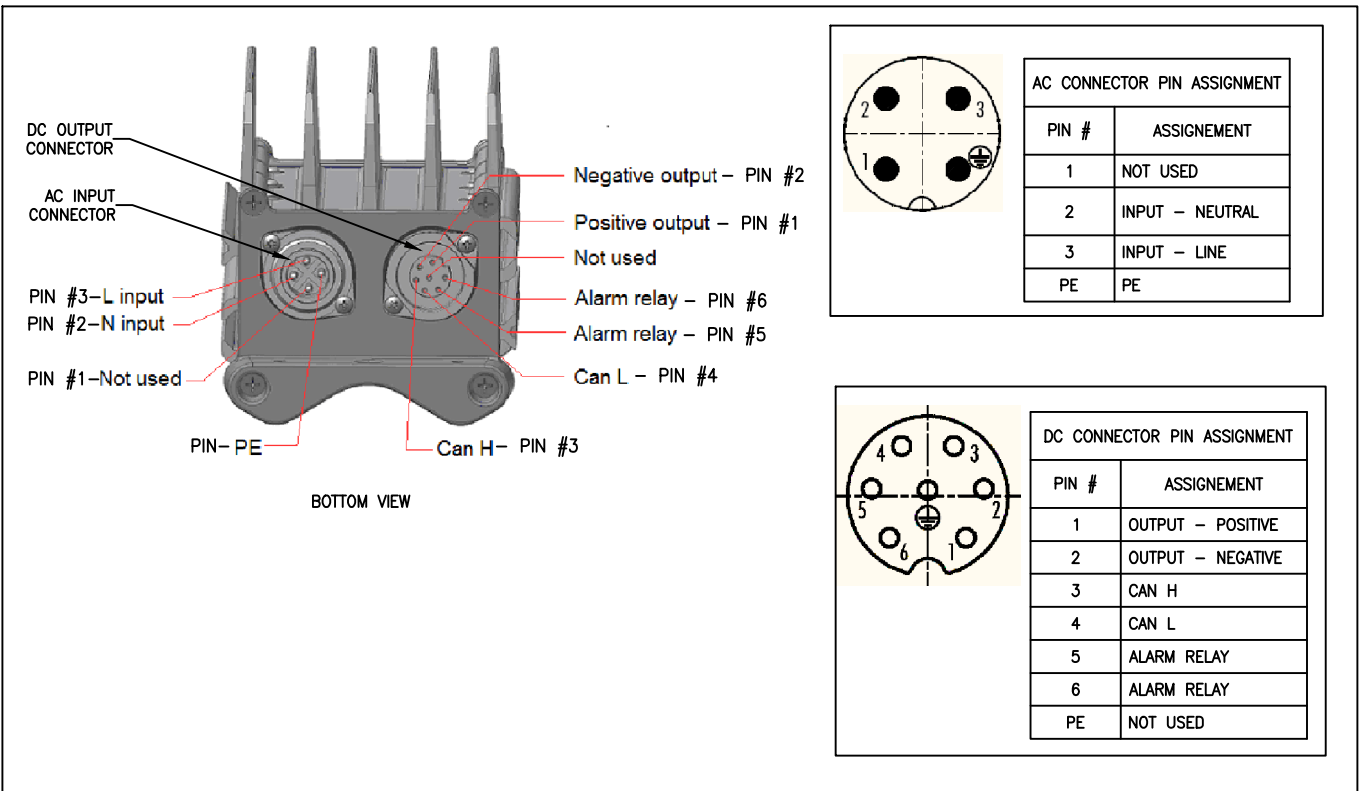


FRONT VIEW

AC INPUT MATE CONNECTOR, NOT INCLUDED IN SYSTEM, SEE TABLE 2C IN SECTION 2.1

DC OUTPUT MATE CONNECTOR, NOT INCLUDED IN SYSTEM, SEE TABLE 2D IN SECTION 2.1

ISO VIEW (AC INPUT AND DC OUTPUT MATE CONNECTOR ARE SHOWN FOR REFERENCE)



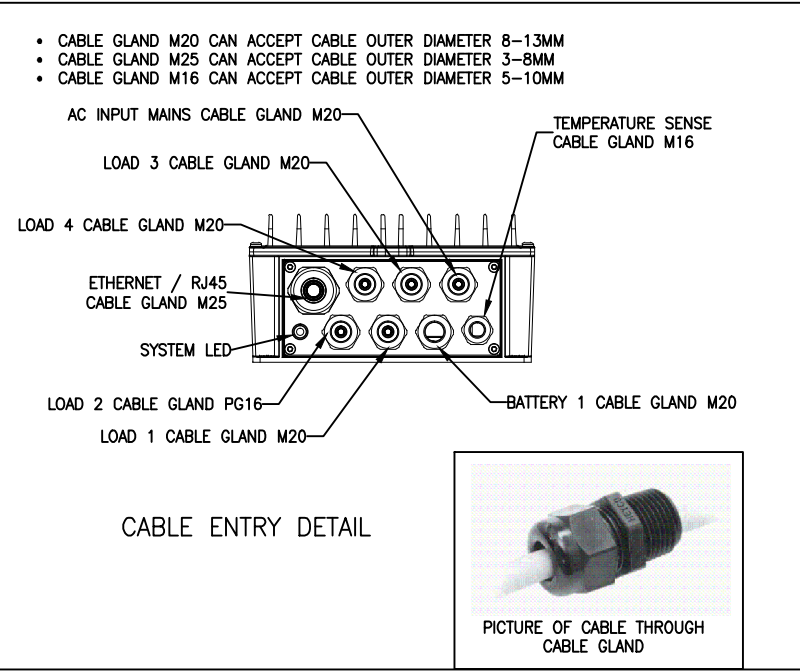
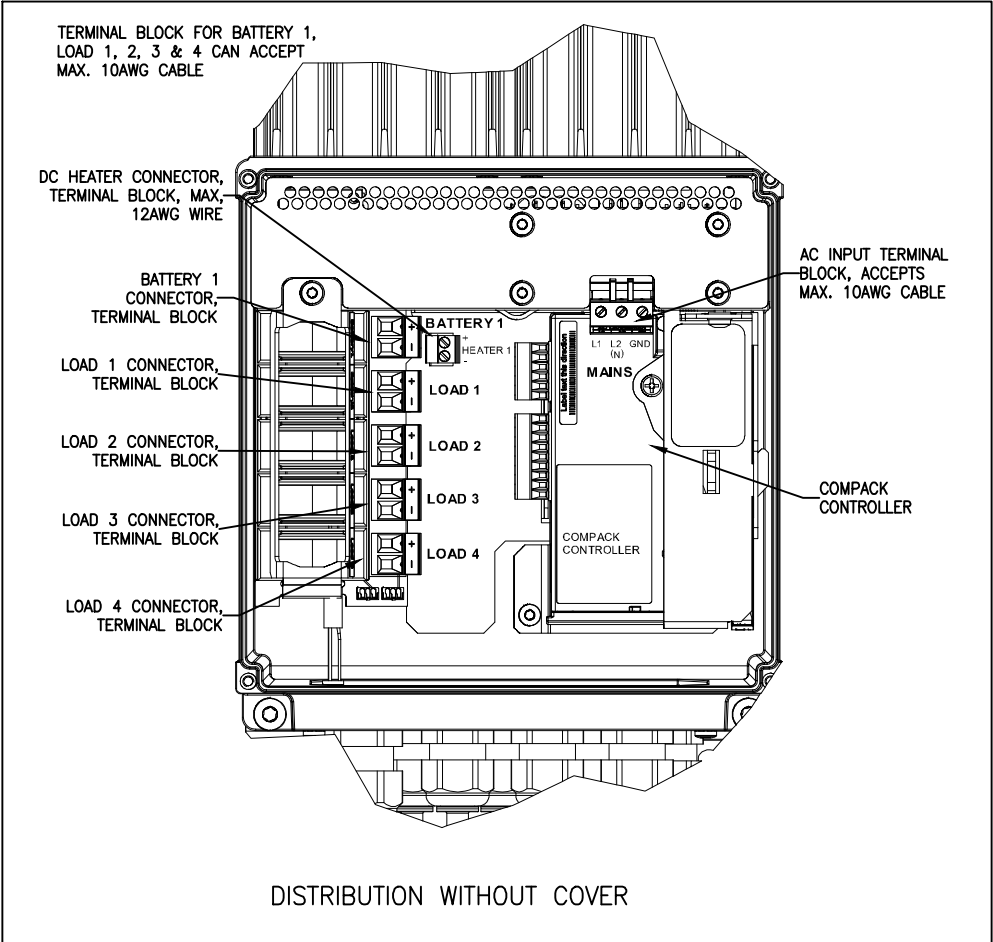
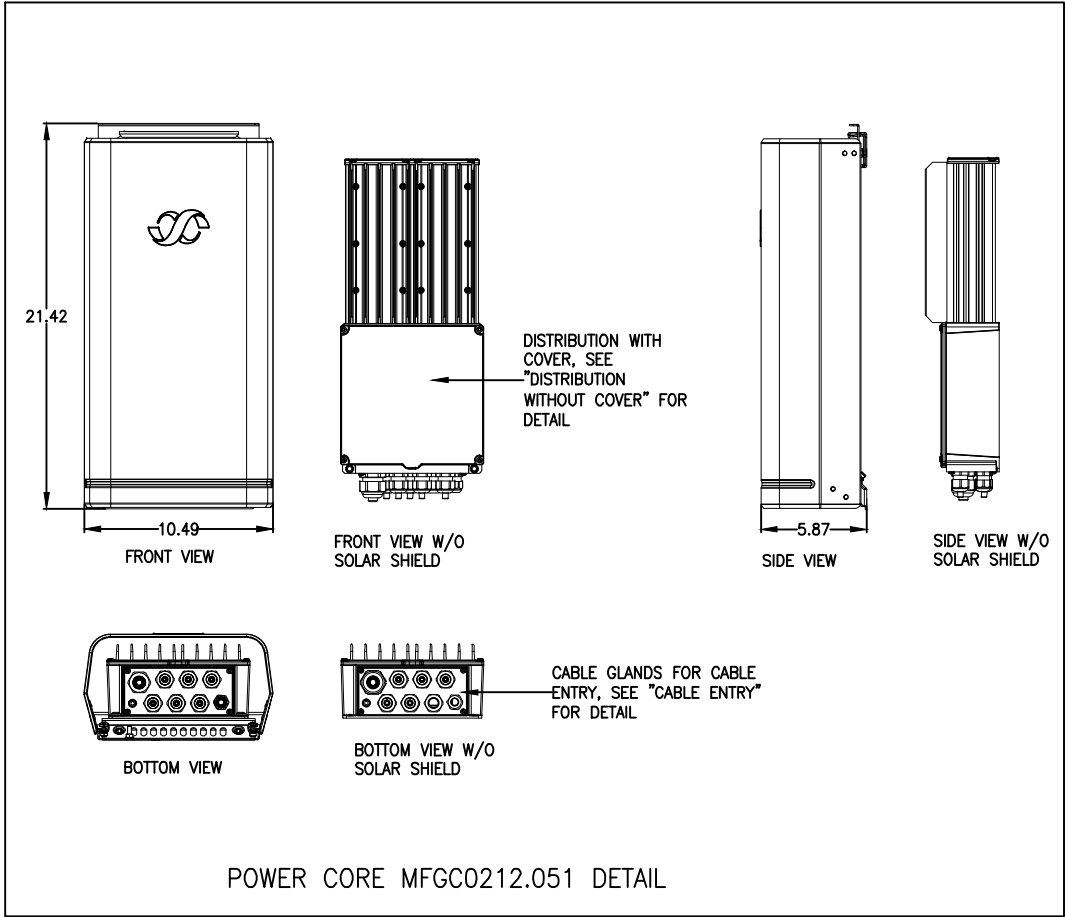
POLE CLAMP KIT

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DESCRIPTION OF CHANGE PER ECO NO. NEW DRAWING RELEASE		
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DRAFTER FMH	DRAWN	
APPROVED	IFS	CAD AUTOCAD
		ASSEMBLY DRAWING CHAMELEON PRODUCT GUIDE SYSTEM
		DRAWING ISSUE DATE
		SECTION 1.0
		DRAWING NUMBER 2209569

SECTION 1.1 POWER CORE SYSTEM

TABLE 1B POWER CORE SYSTEM

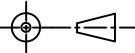
PART NUMBER	DESCRIPTION	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT ⊗ NOMINAL OUTPUT VOLTAGE	RECTIFIER POSITIONS	BATTERY DISTRIBUTION		LOAD DISTRIBUTION	AC INPUT			CABLE GLANDS	AGENCY APPROVAL	WIDTH (IN)	DEPTH (IN)	HEIGHT (IN)	EST. WEIGHT (LBS)	NOTE
					# OF BREAKER AND CONNECTIONS	LVBD		# OF AC INPUT AND CONNECTIONS	AC INPUT VOLTAGE	MAX. AC INPUT CURRENT							
MFGC0212.051	CHAMELEON POWER CORE WITH SOLAR SHIELD AND SURFACE MOUNT BRACKETS, 48VDC/1300W OUTPUT, NEGATIVE SYSTEM, IP65 COMPLIANT, INCLUDING: – SINGLE AC INPUT: TERMINAL BLOCK CONNECTOR, MAX 10AWG CABLE – QTY 2 48VDC/650W HE RECTIFIERS – QTY 1 COMPACK CONTROLLER, PROVIDES QTY 3 CONFIGURABLE INPUTS, QTY 3 RELAY OUTPUTS AND ONE ETHERNET PORT – QTY 4 LOAD BREAKER (MAX. 20A) POSITIONS, TERMINAL BLOCK CONNECTIONS, MAX. 10AWG CABLE – QTY 1 DC HEATER (MAX. 3A) BULK CONNECTION, TERMINAL BLOCK, MAX. 12AWG CABLE – QTY 1 BATTERY BREAKER (MAX. 30A) POSITION, TERMINAL BLOCK CONNECTIONS, MAX. 10AWG CABLE SHUNT AND LVBD CONTACTOR ON THE BATTERY CIRCUIT – QTY 1 BATTERY TEMPERATURE PROBE (OCCUPIED ONE CONFIGURABLE INPUT ON COMPACK) – QTY 8 IP68 CABLE GLANDS FOR CABLE ENTRY AT BOTTOM OPERATING TEMPERATURE: -40 TO +55°C; SHUTDOWN ABOVE 70°C ZONE 4 COMPLIANT DIMENSIONS (WxHxD): 10.49"x21.42"x5.87"; WEIGHT: 15.43 LBS ***POLE MOUNT KITS SOLD SEPARATELY***	NOMINAL: -53.5VDC RANGE: -43.2VDC TO -57.6VDC	24.3A/1300W ⊗ 185-275VAC 17.6A/943W ⊗ 120VAC 14A/750W ⊗ 85VAC	QTY 2 48V/650W HE RECTIFIERS	QTY 1 B-FRAME BREAKER POSITION TERMINAL BLOCK MAX. 10AWG CABLE	YES	QTY 4 B-FRAME BREAKER POSITIONS, TERMINAL BLOCK, MAX. 10AWG CABLE QTY 1 DC HEATER BULK CONNECTION, TERMINAL BLOCK, MAX. 12AWG CABLE	SINGLE AC INPUT TERMINAL BLOCK MAX. 10AWG CABLE	NOMINAL: 185-275VAC RANGE: 85-305VAC UL RATED: 100-250VAC	8.8A	QTY 6 M20 (CABLE OUTER DIAMETER Ø8-13MM) QTY 1 M25 (CABLE OUTER DIAMETER Ø3-8MM) QTY 1 M16 (CABLE OUTER DIAMETER Ø5-10MM)	CE, UL, RoHS, NEBS	10.49	5.87	21.42	15.43	



SECTION 1.2 SYSTEM WITH BATTERY BOX

TABLE 1B POWER CORE SYSTEM

PART NUMBER	DESCRIPTION	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT NOMINAL OUTPUT VOLTAGE	RECTIFIER POSITIONS	BATTERY DISTRIBUTION		LOAD DISTRIBUTION	AC INPUT			CABLE GLANDS	AGENCY APPROVAL	WIDTH (IN)	DEPTH (IN)	HEIGHT (IN)	EST. WEIGHT (LBS)	NOTE
					# OF BREAKER AND CONNECTIONS	LVBD		# OF AC INPUT AND CONNECTIONS	AC INPUT VOLTAGE	MAX. AC INPUT CURRENT							
MFGC0212.000 (REV2 OR BELOW)	CHAMELEON WITH BATTERY BOX (MAX. 7AH), 48VDC/1300W OUTPUT, NEGATIVE SYSTEM INCLUDING SYSTEM BOX, BATTERY BOX, BATTERY CABLE, SOLAR SHIELD AND SURFACE MOUNT BRACKETS: - QTY 1 SYSTEM BOX, IP65 COMPLIANT, INCLUDING: Δ SINGLE AC INPUT: TERMINAL BLOCK CONNECTOR, MAX 10AWG CABLE Δ QTY 2 FPS 48VDC/650W HE RECTIFIERS Δ QTY 1 COMPACT CONTROLLER, PROVIDES QTY 3 CONFIGURABLE INPUTS (ONE IS OCCUPIED BY BATTERY TEMP PROBE), QTY 3 RELAY OUTPUTS AND ETHERNET PORT Δ QTY 2 20A LOAD BREAKERS, TERMINAL BLOCK, MAX. 10AWG CABLE Δ FUTURE QTY 1 MORE LOAD BREAKER POSITION, TERMINAL BLOCK, MAX. 10AWG CABLE Δ QTY 2 30 BATTERY BREAKERS, TERMINAL BLOCK CONNECTIONS, MAX. 10AWG CABLE SHUNT AND LVBD CONTACTOR ON THE BATTERY CIRCUIT Δ QTY 1 BATTERY TEMPERATURE PROBE (OCCUPIED ONE CONFIGURABLE INPUT ON COMPACT) Δ QTY 8 IP68 CABLE GLANDS FOR CABLE ENTRY AT BOTTOM (QTY 2 OCCUPIED BY BATTERY TEMPERATURE PROBE AND BATTERY CONNECTION) - QTY 1 BATTERY BOX, IP23 COMPLIANT: Δ SUPPORT BATTERY DIMENSIONS (LxWxH): 4 PCS OF 5.43"x3.39"x3.9" OR 5.91"x2.56"x3.94" Δ QTY 2 IP68 CABLE GLANDS FOR CABLE ENTRY AT BOTTOM (OCCUPIED BY PRE-INSTALLED TEMPERATURE PROBE AND BATTERY CABLE) - QTY 1 SET OF BATTERY CABLE: 12AWG, 26.8" LONG, UNTERMINATED AT SYSTEM SIDE, 12-10AWG FEMALE FASTON AT BATTERY SIDE - SOLAR SHIELD AND SURFACE MOUNT BRACKETS OPERATING TEMPERATURE: -40 TO +55°C; SHUTDOWN ABOVE 70°C ZONE 4 COMPLIANT DIMENSIONS (WxHxD): 18.4"x21.5"x5.9"; WEIGHT: 28.7 LBS SURFACE MOUNT OR POLE MOUNT (POLE MOUNT KIT SOLD SEPARATELY)	NOMINAL: -53.5VDC RANGE: -43.2VDC TO -57.6VDC	24.3A/1300W ⊗ 185-275VAC 17.6A/943W ⊗ 120VAC 14A/750W ⊗ 85VAC	QTY 2 48V/650W HE RECTIFIERS	QTY 2 B-FRAME 30A BREAKERS INCLUDED TERMINAL BLOCK MAX. 10AWG CABLE	YES	QTY 2 B-FRAME 20A BREAKERS INCLUDED (1 MORE BREAKER POSITION ADDED FROM REVISION 3) TERMINAL BLOCK MAX. 10AWG CABLE	SINGLE AC INPUT TERMINAL BLOCK MAX. 10AWG CABLE	NOMINAL: 185-275VAC RANGE: 85-305VAC UL RATED: 100-250VAC	8.8A	QTY 1 PG16 (CABLE OUTER DIAMETER Ø10-14MM) ON BATTERY BOX - OCCUPIED BY SYSTEM QTY 1 PG11 (CABLE OUTER DIAMETER Ø5-10MM) ON BATTERY BOX - OCCUPIED BY SYSTEM QTY 6 PG16 (CABLE OUTER DIAMETER Ø10-14MM) ON SYSTEM BOX (QTY 1 OCCUPIED BY SYSTEM) QTY 1 M25 (CABLE OUTER DIAMETER Ø6-8.5MM) ON SYSTEM BOX QTY 1 PG11 (CABLE OUTER DIAMETER Ø5-10MM) ON SYSTEM BOX - OCCUPIED BY SYSTEM	CE, UL	18.4	5.9	21.5	26.5	
MFGC0212.001	CHAMELEON WITH BATTERY BOX (MAX. 7AH), 48VDC/1300W OUTPUT, NEGATIVE SYSTEM INCLUDING SYSTEM BOX, BATTERY BOX, BATTERY CABLE, SOLAR SHIELD AND SURFACE MOUNT BRACKETS: - QTY 1 SYSTEM BOX, IP65 COMPLIANT, INCLUDING: Δ SINGLE AC INPUT: TERMINAL BLOCK CONNECTOR, MAX 10AWG CABLE Δ QTY 2 FPS 48VDC/650W HE RECTIFIERS Δ QTY 1 COMPACT CONTROLLER, PROVIDES QTY 3 CONFIGURABLE INPUTS (ONE IS OCCUPIED BY BATTERY TEMP PROBE), QTY 3 RELAY OUTPUTS AND ETHERNET PORT Δ QTY 3 20A AND QTY 1 10A LOAD BREAKERS, TERMINAL BLOCK CONNECTIONS, MAX. 10AWG CABLE Δ QTY 1 DC HEATER (MAX. 3A) BULK CONNECTION, TERMINAL BLOCK, MAX. 12AWG CABLE Δ QTY 1 30 BATTERY BREAKER, TERMINAL BLOCK CONNECTIONS, MAX. 10AWG CABLE SHUNT AND LVBD CONTACTOR ON THE BATTERY CIRCUIT Δ QTY 1 BATTERY TEMPERATURE PROBE (OCCUPIED ONE CONFIGURABLE INPUT ON COMPACT) Δ QTY 8 IP68 CABLE GLANDS FOR CABLE ENTRY AT BOTTOM (QTY 2 OCCUPIED BY BATTERY TEMPERATURE PROBE AND BATTERY CONNECTION) - QTY 1 BATTERY BOX, IP23 COMPLIANT: Δ SUPPORT BATTERY DIMENSIONS (LxWxH): 4 PCS OF 5.43"x3.39"x3.9" OR 5.91"x2.56"x3.94" Δ QTY 2 IP68 CABLE GLANDS FOR CABLE ENTRY AT BOTTOM (OCCUPIED BY PRE-INSTALLED TEMPERATURE PROBE AND BATTERY CABLE) - QTY 1 SET OF BATTERY CABLE: 12AWG, 26.8" LONG, UNTERMINATED AT SYSTEM SIDE, 12-10AWG FEMALE FASTON AT BATTERY SIDE - SOLAR SHIELD AND SURFACE MOUNT BRACKETS OPERATING TEMPERATURE: -40 TO +55°C; SHUTDOWN ABOVE 70°C ZONE 4 COMPLIANT DIMENSIONS (WxHxD): 18.4"x21.5"x5.9"; WEIGHT: 28.7 LBS SURFACE MOUNT OR POLE MOUNT (POLE MOUNT KIT SOLD SEPARATELY)	NOMINAL: -53.5VDC RANGE: -43.2VDC TO -57.6VDC	24.3A/1300W ⊗ 185-275VAC 17.6A/943W ⊗ 120VAC 14A/750W ⊗ 85VAC	QTY 2 48V/650W HE RECTIFIERS	QTY 1 B-FRAME 30A BREAKER INCLUDED TERMINAL BLOCK MAX. 10AWG CABLE	YES	QTY 3 B-FRAME 20A BREAKERS; QTY 1 B-FRAME 10A BREAKER; TERMINAL BLOCK; MAX. 10AWG CABLE QTY 1 DC HEATER BULK CONNECTION, TERMINAL BLOCK, MAX. 12AWG CABLE	SINGLE AC INPUT TERMINAL BLOCK MAX. 10AWG CABLE	NOMINAL: 185-275VAC RANGE: 85-305VAC UL RATED: 100-250VAC	8.8A	QTY 1 PG16 (CABLE OUTER DIAMETER Ø10-14MM) ON BATTERY BOX - OCCUPIED BY SYSTEM QTY 1 PG11 (CABLE OUTER DIAMETER Ø5-10MM) ON BATTERY BOX - OCCUPIED BY SYSTEM QTY 1 M25 (CABLE OUTER DIAMETER Ø3-8MM) ON SYSTEM BOX QTY 6 M20 (CABLE OUTER DIAMETER Ø8-13MM) ON SYSTEM BOX (QTY 1 OCCUPIED BY SYSTEM) QTY 1 M16 (CABLE OUTER DIAMETER Ø5-10MM) ON SYSTEM BOX - OCCUPIED BY SYSTEM	CE, UL	18.4	5.9	21.5	26.5	
241125.911	POLE MOUNT KIT - CAN BE USED FOR ROUND POLES WITH DIAMETER 2.36" - Ø7.09" OR SQUARE POLE SIDE LENGTH 2.76" - 5.51"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10.49	5.87	21.36		SEE MOUNTING INSTRUCTION DOCUMENT 2239247 FOR DETAIL

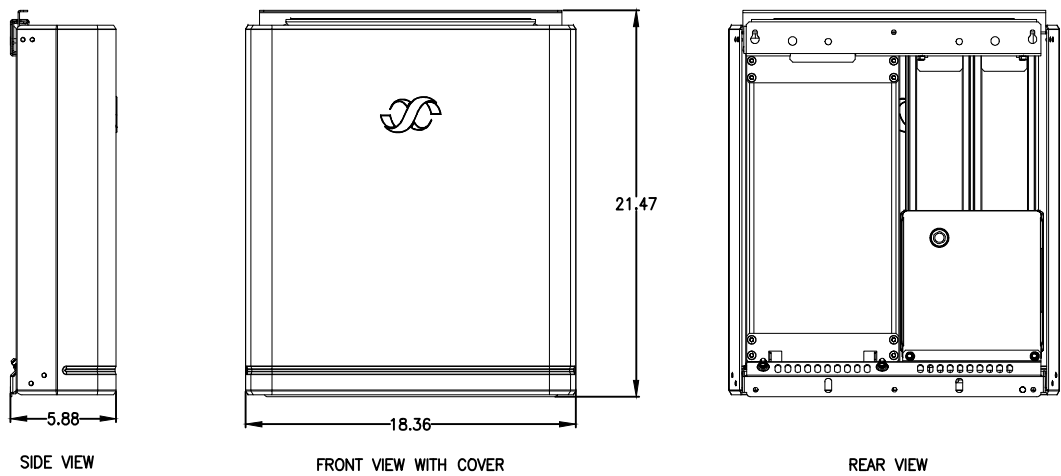
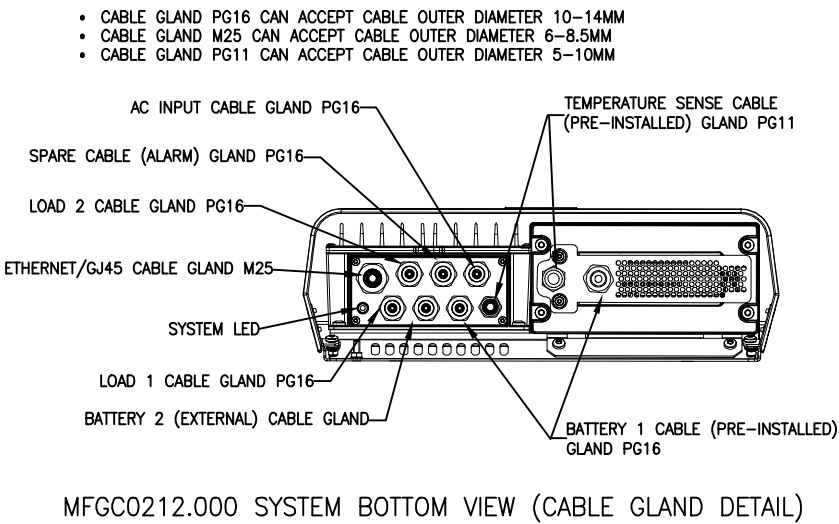
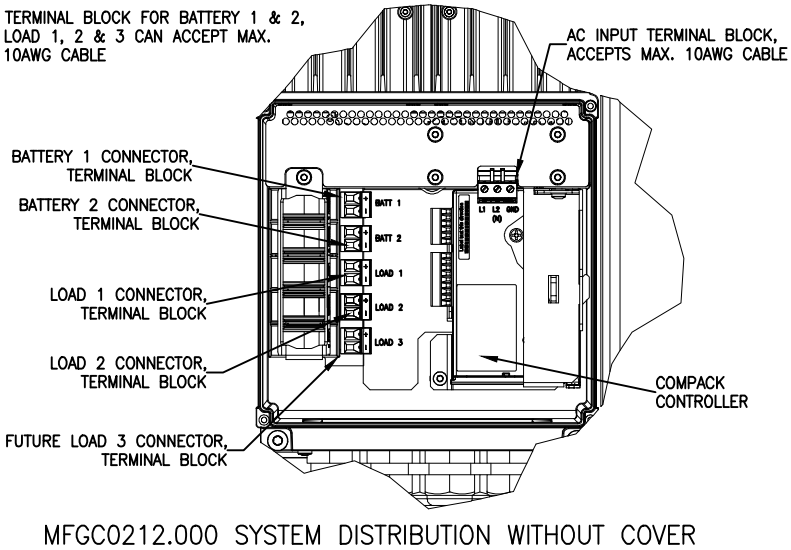
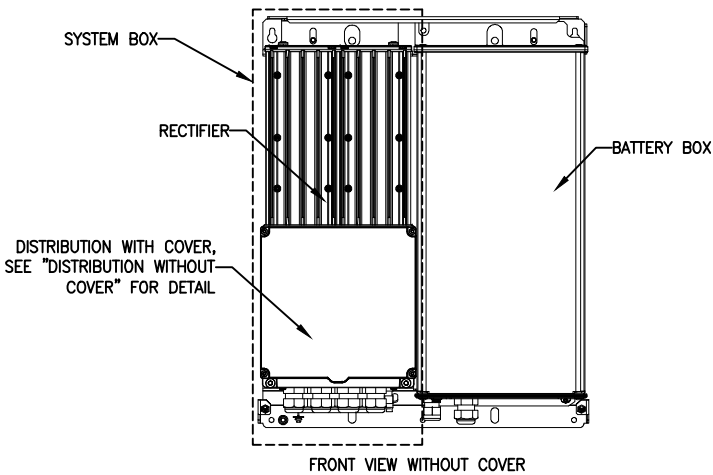


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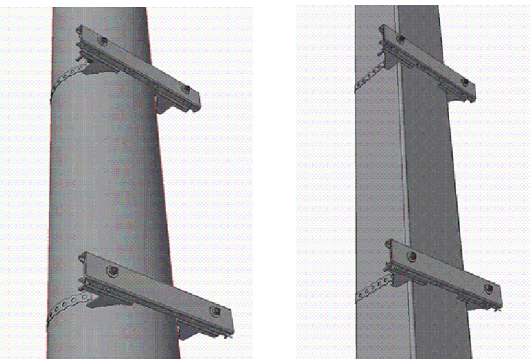
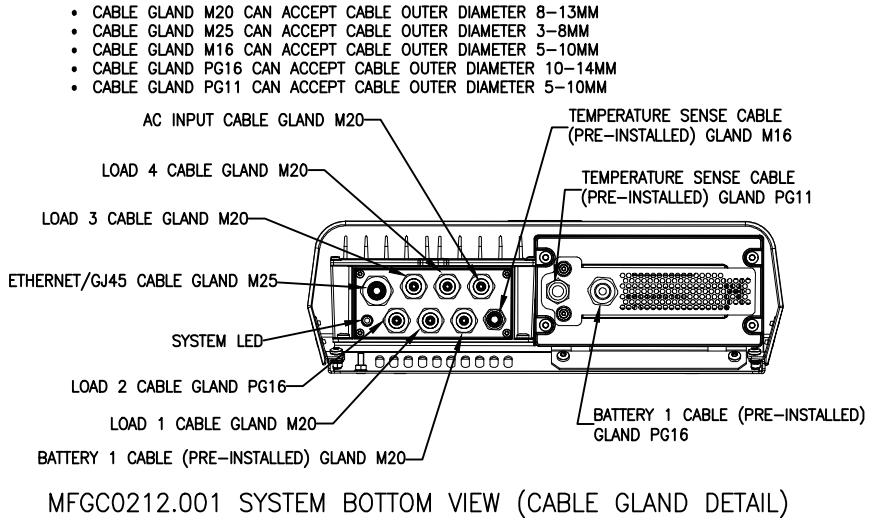
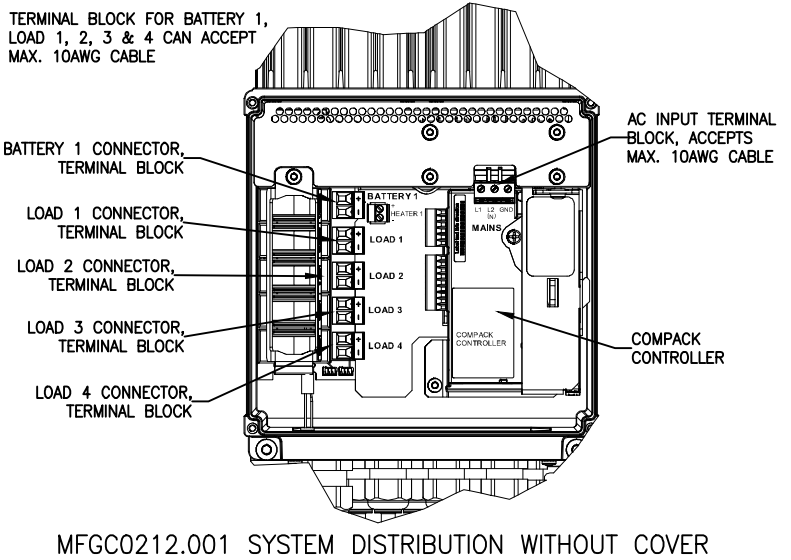
DESCRIPTION OF CHANGE PER ECO NO.		
NEW DRAWING RELEASE		
ENGINEER Franky Huang	ENG. 08-26-15	
DRAFTER FMH	DRAWN	
APPROVED	IFS	
		ASSEMBLY DRAWING CHAMELEON PRODUCT GUIDE SYSTEM – SYSTEM WITH BATT BOX
		DRAWING ISSUE DATE
		SECTION 1.2
		DRAWING NUMBER 2209569

SECTION 1.2 SYSTEM WITH BATTERY BOX

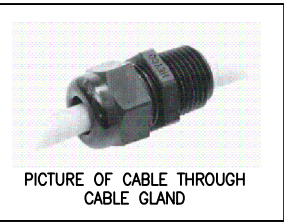
MFGC0212.000 SYSTEM CONNECTION DETAIL



MFGC0212.001 SYSTEM CONNECTION DETAIL



241125.911 POLE MOUNT KIT



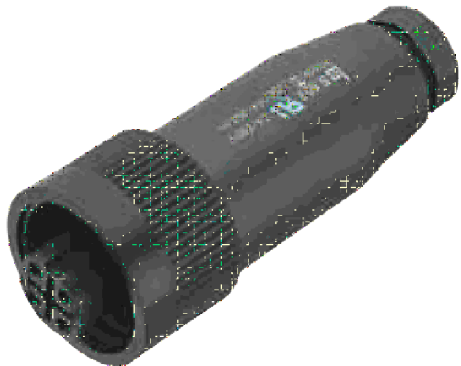
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DESCRIPTION OF CHANGE PER ECO NO. NEW DRAWING RELEASE		
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DRAFTER FMH	DRAWN	
APPROVED	IFS	
		CAD AUTOCAD
		ASSEMBLY DRAWING
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		SYSTEM – SYSTEM WITH BATT BOX
		DRAWING ISSUE DATE
		SECTION 1.2–CONTIUNED
		DRAWING NUMBER 2209569

SECTION 2.0 ACCESSORIES AND SPARE PARTS

TABLE 2A AC INPUT CONNECTORS FOR 241125.105

PART NUMBER	DESCRIPTION	COMPATIBLE OUTER CABLE DIAMETER	CONNECTION	NOTE
314804	BINDER FEMALE CABLE CONNECTOR 99-4222-160-04 - QTY 4 TERMINATIONS (3+PE), SCREW TERMINAL, MAX. 14AWG WIRE - ACCEPTS LINE CORD WITH OUTER CABLE DIAMETER Ø12-14MM	Ø12-14MM	SCREW TERMINAL, MAX. 14AWG CABLE	
334321	BINDER FEMALE CABLE CONNECTOR 99-4222-00-04 - QTY 4 TERMINATIONS (3+PE), SCREW TERMINAL, MAX. 14AWG WIRE - ACCEPTS LINE CORD WITH OUTER CABLE DIAMETER Ø6-9.5MM	Ø6-9.5MM	SCREW TERMINAL, MAX. 14AWG CABLE	
334322	BINDER FEMALE CABLE CONNECTOR 99-4222-110-04 - QTY 4 TERMINATIONS (3+PE), SCREW TERMINAL, MAX. 14AWG WIRE - ACCEPTS LINE CORD WITH OUTER CABLE DIAMETER Ø8-10MM	Ø8-10MM	SCREW TERMINAL, MAX. 14AWG CABLE	
334323	BINDER FEMALE CABLE CONNECTOR 99-4222-14-04 - QTY 4 TERMINATIONS (3+PE), SCREW TERMINAL, MAX. 14AWG WIRE - ACCEPTS LINE CORD WITH OUTER CABLE DIAMETER Ø10-12MM	Ø10-12MM	SCREW TERMINAL, MAX. 14AWG CABLE	



AC CONNECTOR

TABLE 2B DC OUTPUT CONNECTOR FOR 241125.105

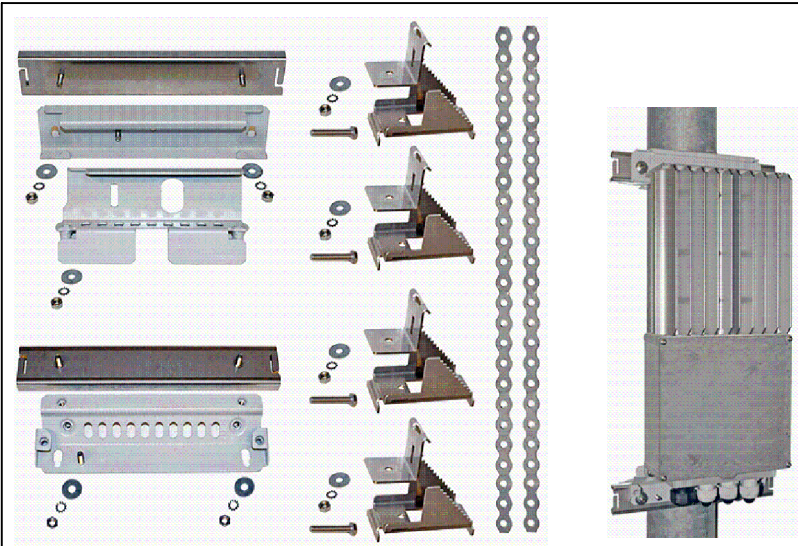
PART NUMBER	DESCRIPTION	COMPATIBLE OUTER CABLE DIAMETER	CONNECTION	NOTE
314805	BINDER MALE CABLE CONNECTOR 99-4217-160-07 - QTY 7 TERMINATIONS (6+PE), SCREW TERMINAL, MAX. 16AWG WIRE - ACCEPTS CABLE WITH OUTER DIAMETER Ø12-14MM	Ø12-14MM	SCREW TERMINAL, MAX. 16AWG CABLE	
334328	BINDER MALE CABLE CONNECTOR 99-4217-00-07 - QTY 7 TERMINATIONS (6+PE), SCREW TERMINAL, MAX. 16AWG WIRE - ACCEPTS CABLE WITH OUTER DIAMETER Ø6-8MM	Ø6-8MM	SCREW TERMINAL, MAX. 16AWG CABLE	
334329	BINDER MALE CABLE CONNECTOR 99-4217-110-07 - QTY 7 TERMINATIONS (6+PE), SCREW TERMINAL, MAX. 16AWG WIRE - ACCEPTS CABLE WITH OUTER DIAMETER Ø8-10MM	Ø8-10MM	SCREW TERMINAL, MAX. 16AWG CABLE	
334330	BINDER MALE CABLE CONNECTOR 99-4217-14-07 - QTY 7 TERMINATIONS (6+PE), SCREW TERMINAL, MAX. 16AWG WIRE - ACCEPTS CABLE WITH OUTER DIAMETER Ø10-12MM	Ø10-12MM	SCREW TERMINAL, MAX. 16AWG CABLE	



DC CONNECTOR

TABLE 2F SPARE PARTS AND ACCESSORIES FOR MFGC0212.051

PART NUMBER	DESCRIPTION	NOTE
344327	POLE MOUNT KIT - CAN BE USED FOR ROUND POLES WITH DIAMETER 2.36" - Ø7.09" OR SQUARE POLE SIDE LENGTH 2.76" - 5.51"	
342021	SURFACE MOUNT KIT	
241125.901	SOLAR SHIELD FOR CHAMELEON POWER CORE	



POLE MOUNT KIT - 344327

POLE MOUNT POWER CORE

TABLE 2C BREAKER LIST FOR MFGC0212.051, MFGC0212.000 AND MFGC0212.001

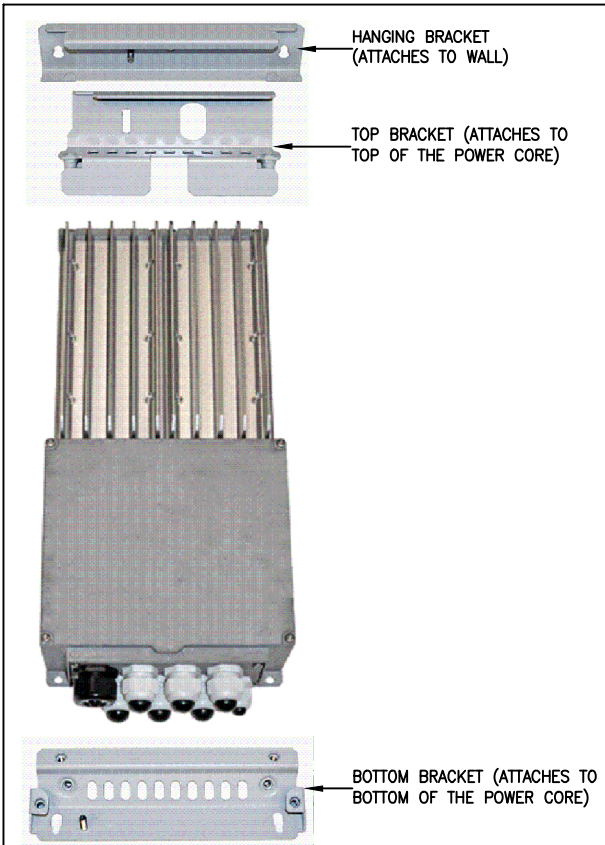
PART NUMBER	DESCRIPTION	NOTE
083E32634100	CBMCB:HYMAG=30A 80VDC 0.5KA BATT 1U, B FRAME	BATTERY BREAKER
083E32633900	CBMCB:HYMAG=20A 65VDC 1KA BATT 1U, B FRAME	BATTERY BREAKER
0830188919	CBMCB:HYMAG=2A 65VDC 1KA LOAD 1U, B FRAME	LOAD BREAKER
0830188819	CBMCB:HYMAG=5A 65VDC 1KA LOAD 1U, B FRAME	LOAD BREAKER
083E29453900	CBMCB:HYMAG=10A 65VDC 1KA LOAD 1U, B FRAME	LOAD BREAKER
294540	CBMCB:HYMAG=15A 65VDC 1KA LOAD 1U, B FRAME	LOAD BREAKER
0830189019	CBMCB:HYMAG=20A 65VDC 1KA LOAD 1U, B FRAME	LOAD BREAKER

TABLE 2D AC LINE CORD

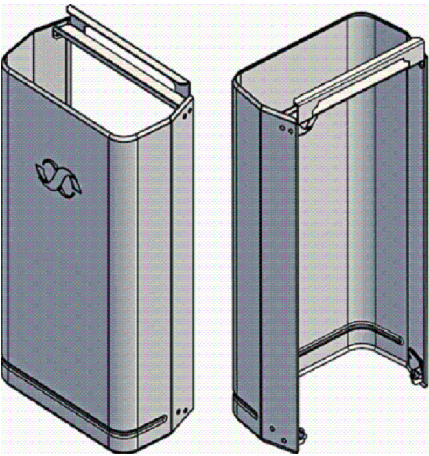
PART NUMBER	DESCRIPTION	NOTE
LU1014-UU	AC LINE CORD, 10', 14AWG, UN-TERMINATED TO UN-TERMINATED	

TABLE 2E BATTERY FOR MFGC0212.001 AND MFGC0212.000

PART NUMBER	DESCRIPTION	NOTE
0991228358	BATTERY LEAD-ACID 12V 7AH, SBS 8	
0991112621	BATTERY LI-ION 13.2V 5AH LITHIUM IRON PHOSPHATE CHEMISTRY, ALM 12V7s HP	



SURFACE MOUNT KIT 342021
(HARDWARE NOT DISPLAYED)



SOLAR SHIELD 241125.901

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DESCRIPTION OF CHANGE PER ECO NO.
NEW DRAWING RELEASE

ENGINEER Franky Huang	ENG. 10-22-14
DRAFTER FMH	DRAWN
APPROVED	IFS



ASSEMBLY DRAWING
CHAMELEON PRODUCT GUIDE
SPARE PARTS AND ACCESSORIES

DRAWING ISSUE DATE

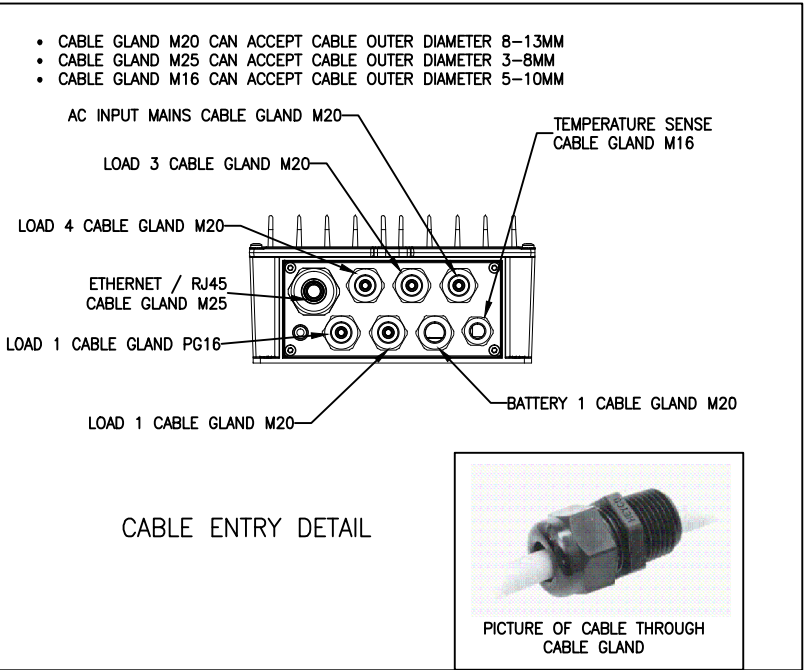
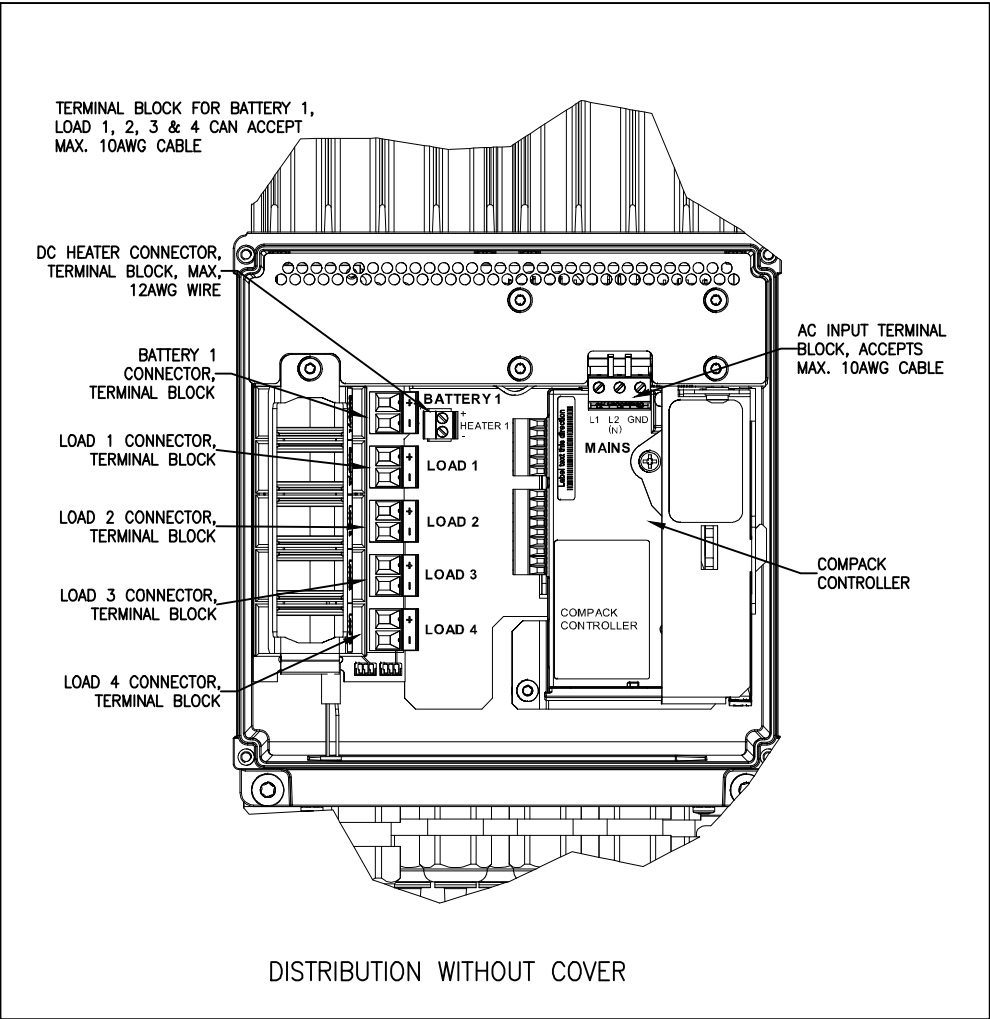
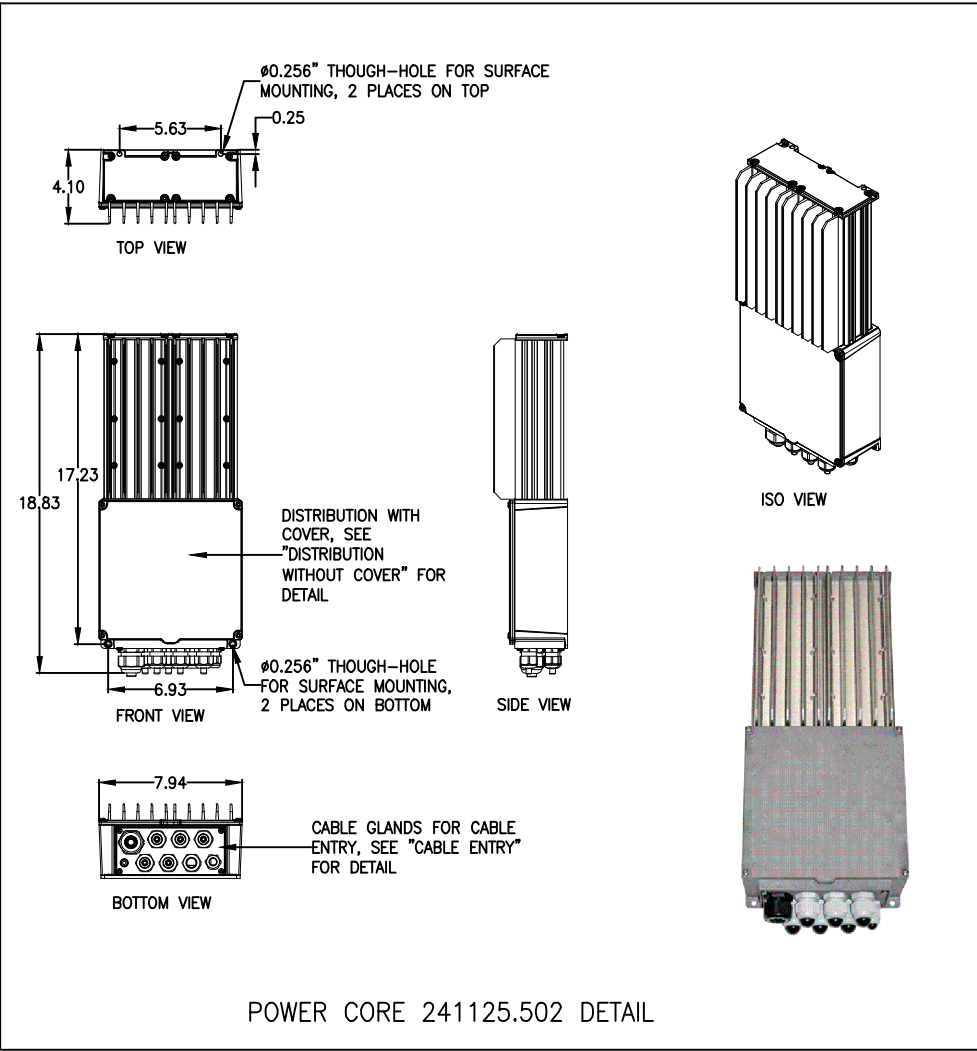
SECTION 2.0

DRAWING NUMBER 2209569

SECTION 2.0—CONTINUED ACCESSORIES AND SPARE PARTS

TABLE 2G POWER CORE SPARE PART FOR MFGC0212.051

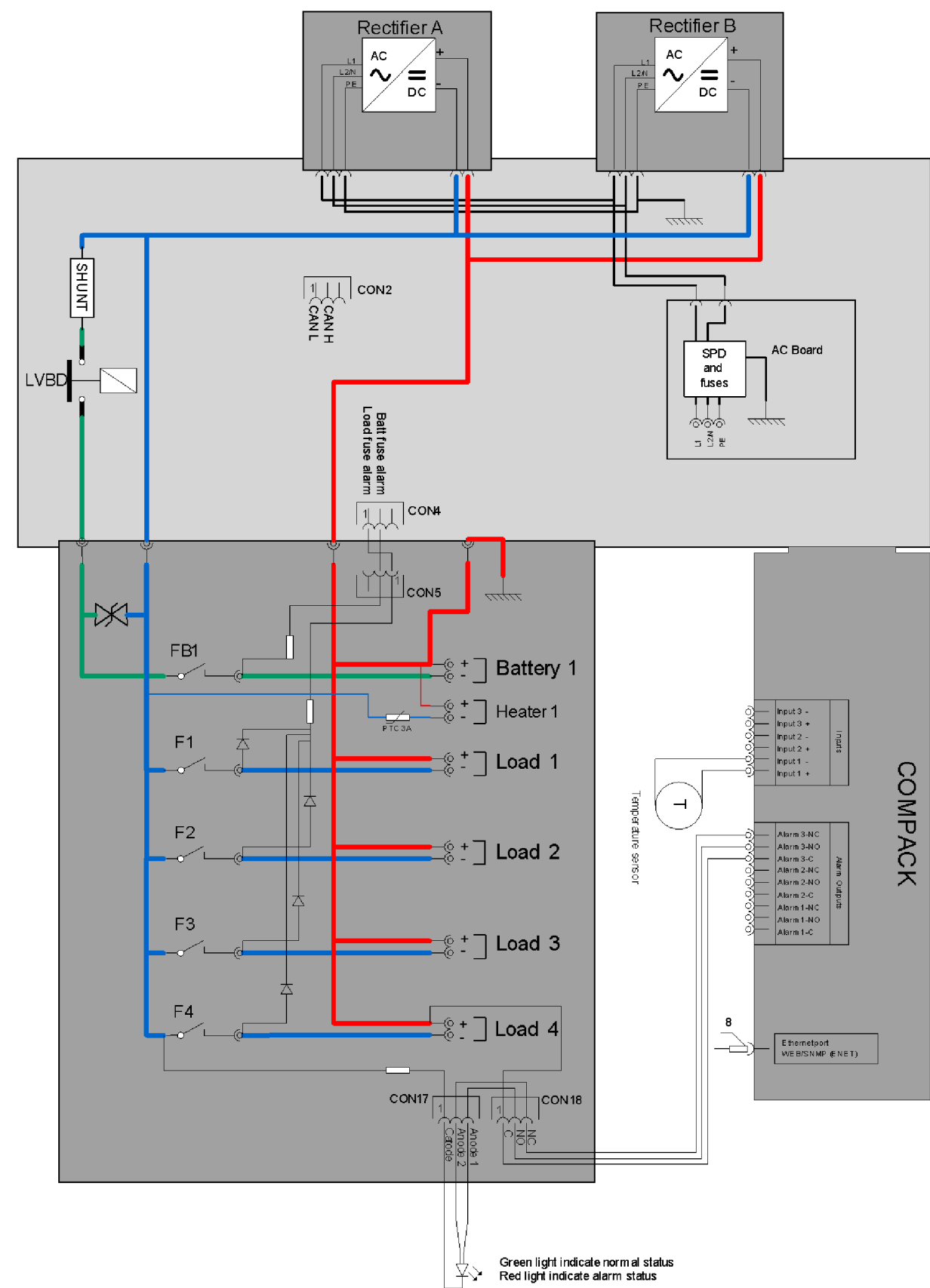
PART NUMBER	DESCRIPTION	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT Ⓢ NOMINAL OUTPUT VOLTAGE	RECTIFIER POSITIONS	BATTERY DISTRIBUTION		LOAD DISTRIBUTION	AC INPUT			CABLE GLANDS	AGENCY APPROVAL	WIDTH (IN)	DEPTH (IN)	HEIGHT (IN)	EST. WEIGHT (LBS)	NOTE
					# OF BREAKER AND CONNECTIONS	LVBD		# OF AC INPUT AND CONNECTIONS	AC INPUT VOLTAGE	MAX. AC INPUT CURRENT							
241125.502	CHAMELEON POWER CORE, 48VDC/1300W OUTPUT, NEGATIVE SYSTEM, IP65 COMPLIANT, INCLUDING: – SINGLE AC INPUT: TERMINAL BLOCK CONNECTOR, MAX 10AWG CABLE – QTY 2 48VDC/650W HE RECTIFIERS – QTY 1 COMPACK CONTROLLER, PROVIDES QTY 3 CONFIGURABLE INPUTS, QTY 3 RELAY OUTPUTS AND ONE ETHERNET PORT – QTY 4 LOAD BREAKER POSITIONS, TERMINAL BLOCK CONNECTIONS, MAX. 10AWG CABLE – QTY 1 DC HEATER (MAX. 3A) BULK CONNECTION, TERMINAL BLOCK, MAX. 12AWG CABLE – QTY 1 BATTERY BREAKER POSITION, TERMINAL BLOCK CONNECTIONS, MAX. 10AWG CABLE SHUNT AND LVBD CONTACTOR ON THE BATTERY CIRCUIT – QTY 1 BATTERY TEMPERATURE PROBE (OCCUPIED ONE CONFIGURABLE INPUT ON COMPACK) – QTY 8 IP68 CABLE GLANDS FOR CABLE ENTRY AT BOTTOM OPERATING TEMPERATURE: -40 TO +55°C; SHUTDOWN ABOVE 70°C ZONE 4 COMPLIANT DIMENSIONS (WxHxD): 7.94"x18.83"x4.1"; WEIGHT: 10.5 LBS SURFACE MOUNT OR POLE MOUNT (MOUNT KITS SOLD SEPARATELY)	NOMINAL: -53.5VDC RANGE: -43.2VDC TO -57.6VDC	24.3A/1300W Ⓢ 185-275VAC 17.6A/943W Ⓢ 120VAC 14A/750W Ⓢ 85VAC	QTY 2 48V/650W HE RECTIFIERS	QTY 1 B-FRAME BREAKER POSITION TERMINAL BLOCK MAX. 10AWG CABLE	YES	QTY 4 B-FRAME BREAKER POSITIONS, TERMINAL BLOCK, MAX. 10AWG CABLE QTY 1 DC HEATER BULK CONNECTION, TERMINAL BLOCK, MAX. 12AWG CABLE	SINGLE AC INPUT TERMINAL BLOCK MAX. 10AWG CABLE	NOMINAL: 185-275VAC RANGE: 85-305VAC UL RATED: 100-250VAC	8.8A	QTY 6 M20 (CABLE OUTER DIAMETER Ø8-13MM) QTY 1 M25 (CABLE OUTER DIAMETER Ø3-8MM) QTY 1 M16 (CABLE OUTER DIAMETER Ø5-10MM)	CE, UL, RoHS, NEBS	7.94	4.1	18.83	10.5	



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		SPARE PARTS AND ACCESSORIES
		DRAWING ISSUE DATE
		SECTION 2.0—CONTINUED
		DRAWING NUMBER 2209569

SECTION 3.0 SCHEMATIC DIAGRAM FOR MFGC0212.051, 241125.502 OR POWER CORE OF MFGC0212.001



Green light indicate normal status
Red light indicate alarm status

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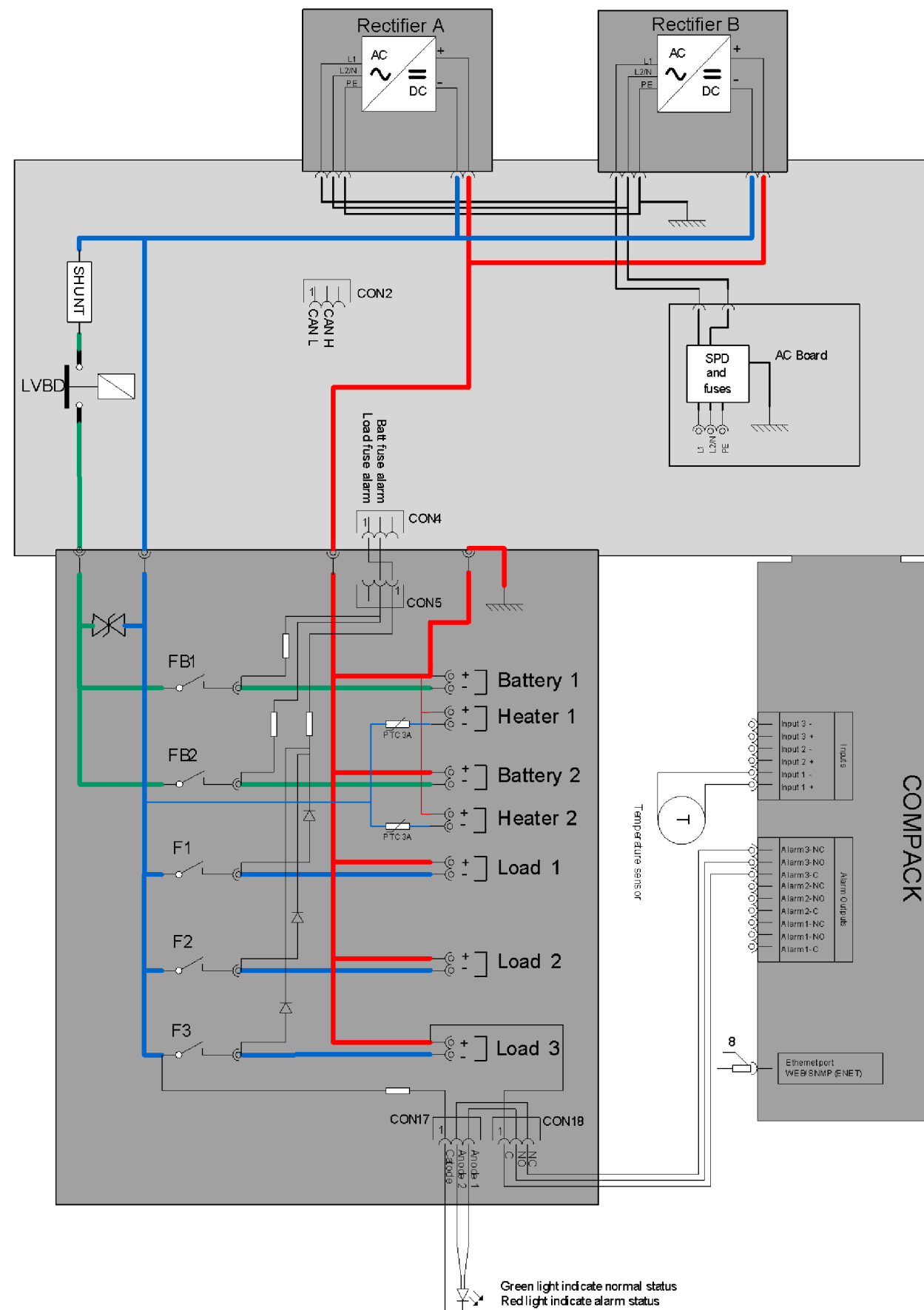
DESCRIPTION OF CHANGE PER ECO NO.
NEW DRAWING RELEASE

ENGINEER Franky Huang	ENG. 10-22-14
DRAFTER FMH	DRAWN
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SCHEMATIC DIAGRAMS	
DRAWING ISSUE DATE	
SECTION	3.0
DRAWING NUMBER	2209569

SECTION 3.1 SCHEMATIC DIAGRAM FOR POWER CORE OF MFGC0212.000



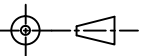
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		CHAMELEON PRODUCT GUIDE	
		SCHEMATIC DIAGRAMS	
		DRAWING ISSUE DATE	
		SECTION	3.1
		DRAWING NUMBER	2209569

SECTION 4.0 CUSTOMER REFERENCE DOCUMENTS

TABLE 4 CUSTOMER REFERENCE DOCUMENTS			
NO.	DOCUMENT NO.	DOCUMENT DESCRIPTION	NOTE
1	241125.1XX.DS3	DATASHEET – CHAMELEON STAND ALONE RECTIFIER	
2	370052.DS3	DATASHEET – CHAMELEON POWER CORE SYSTEMS	
3	MFGC0212.00X.DS3	DATASHEET – CHAMELEON POWERCORE SYSTEM WITH BATTERY BOX	
4	370052.033	INSTALLATION GUIDE – CHAMELEON POWERCORE SYSTEM	
5	370061.033	INSTALLATION GUIDE – CHAMELEON POLE MOUNTING KIT	
6	356848.103	QUICK INSTALLATION GUIDE – CHAMELEON 48V, 1300W, IP65 PS SYSTEMS WITH BATTERY BOX	
7	2239247	MOUNTING INSTRUCTION OF KIT 241125.911	
8	2236460	SCHEMATIC DRAWING FOR 241125.502 OR POWER CORE OF MFGC0212.001	
9	2236461	SCHEMATIC DIAGRAM FOR MFGC0212.000	
10			

NOTE: THE ABOVE DOCUMENTS ARE AVAILABLE ONLINE ELTEK.SHAREFILE.COM



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DESCRIPTION OF CHANGE PER ECO NO.		
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		CUSTOMER REFERENCE
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		SECTION 4.0
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