

- Notes:**
1. Wall mount **Make-Before-Break** Maintenance Bypass Panelboard (MBP), with SKRU for LP33 series 2 (S2) UPS, 208/120Vac, 3Ø/4W/G.
 2. Main Breakers: MIB & MBB (xxxAT), 80% molded case, manually operated breaker. Refer to **Table 1** for breaker current rating.
 3. UPS Input Breaker: UIB (xxxAT), 80% molded case, manually operated breaker. Refer to **Table 1** for breaker current rating.
 4. Bus: Copper
 5. Neutral: 200%
 6. Aux Contact: 2A/B on MBB breaker only
 7. Control: SKRU with Kirk Key on MBB and MIB breakers.
 8. Equipment ground
 9. Refer to national electric code for acceptable external wiring practice.
 10. An upstream overcurrent protection with a maximum rating of 125% of the UPS rectifier input must be installed at the MBP input A1,B1,&C1).
 11. The external wiring is rated at 75°C or 90°C.
 12. The external wiring material and labor to be provided and paid by others.
 13. Maintenance Bypass Input must come from a 3Ø/4W/G (wye), solidly grounded electrical system.
 14. The control and power wirings must be installed in separate conduits.
 15. Refer to **Table 2** for control wiring from MBP to UPS module.
 16. A Customer Interface Card, p/n: 1026645 (IM 0268), is required in the UPS module.
 17. To avoid a load dump or damage to the equipment, the transfer sequence instruction nameplate mounted to the MBP's door must be followed

Table 1: 3-brk Maintenance Bypass Panelboard (MBP) with SKRU (Electrical Control) Breaker Schedule

UPS (KVA) (Series 2)	MBP PART NUMBER	BREAKER MODEL (EATON-C)	MBB/MIB (Trip)	UIB (Trip)	kAIC@ 240Vac	MBP Dimensions (W x D x H)
15	MBP0122060600-K100	EHD3060	60A	60A	18	30.0" x 10.0" x 36.0"
	MBP0122060600-K600	ED3060	60A	60A	65	
20	MBP0222070700-K100	EHD3070	70A	70A	18	
	MBP0222070700-K600	FD3070	70A	70A	65	
30	MBP0322121200-K200	EDB3125	125A	125A	22	
	MBP0322121200-K600	ED3125	125A	125A	65	
50	MBP0522172000-K200	EDB3175	175A	200A	22	
	MBP0522172000-K600	ED3175	175A	200A	65	
60	MBP0622222500-K600	JDB3225	225A	250A	65	
80	MBP0822303500-K600	KDB3300	300A	350A	65	
100	MBP1022354000-K600	KDB3350	350A	400A	65	

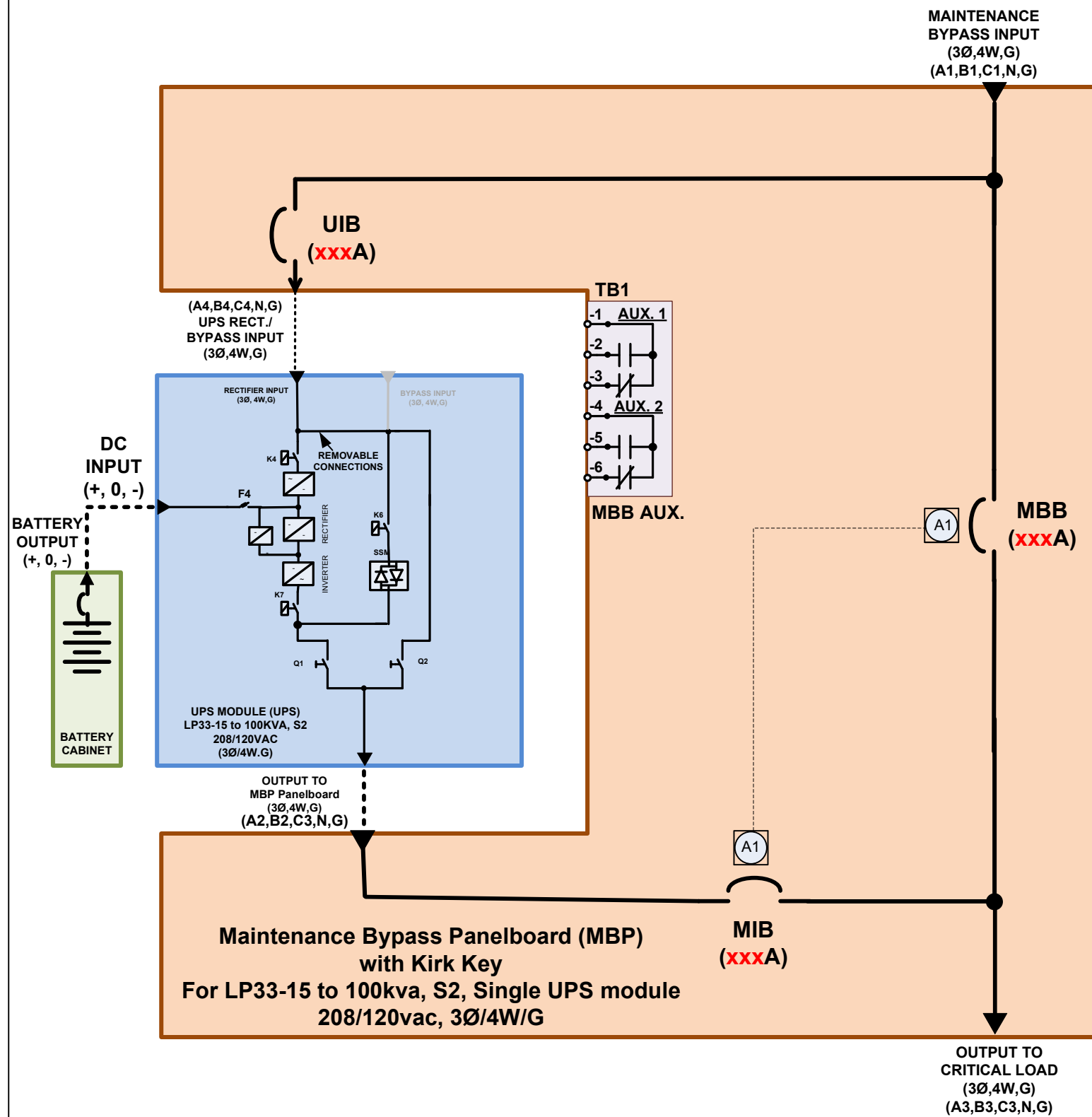
Table 2- SKRU Control Wiring From MBP to UPS module

Terminating point In MBP	Terminating point In UPS	Wire Size	Maximum Voltage & Current	Circuit Function	Note
TB2-1	J6-2 (CIC card)	18AWG	250Vac	SKRU control (Key can be removed if UPS is on bypass)	Twisted pair
TB2-2	J6-3 (CIC card)				
TB2-4	J2-1 (CIC card)	18AWG	24V 1.25A	UPS control (UPS transfer is prohibited during testing)	Twisted pair
TB2-5	J2-3 (CIC card)				

LEGEND:
MIB: UPS MODULE ISOLATION BREAKER
MBB: MAINTENANCE BYPASS BREAKER
UIB: UPS INPUT BREAKER
A1,B1,&C1: MBP Input from Utility, Phase-A, B, & C

LEGEND CONTINUED
A2,B2,&C2: MBP Input from UPS output, Phase A,B, & C
A3,B3,&C3: MBP Output to Critical Load, Phase A, B, & C
A4,B4,&C4: MBP Output to UPS rect./Byg., Phase A, B, & C
N: Neutral; G: Ground

Project Name: STD		Point of Contact:		Equipment Part Number: See table 1	
	Issued by: PH	Issued date: 07/08/15	Scale: NONE	Drawing Title: System 1L for LP33-15 to 100kva, S2,(208vac) & 3-brk, wall mount MBP w/ SKRU	
	Revised by: PH	Revised date: 11/17/15	Rev. No.: 2.0	Drawing No.: 1-P3421LxxSU02S00C	Sheet No.: 1 of 1



Notes:

3-brk Maintenance Bypass Panelboard (MBP) with Kirk Key (Wall Mount- Non-matching)

1. Wall mount **Make-Before-Break** Maintenance Bypass Panelboard (MBP), with Kirk Key for LP33 series 2 (S2) UPS, 208/120Vac, 3Ø/4W/G.
2. Main Breakers: MIB & MBB (xxxAT), 80% molded case, manually operated breaker. Refer to **Table 1** for breaker current rating.
3. UPS Input Breaker: UIB (xxxAT), 80% molded case, manually operated breaker. Refer to **Table 1** for breaker current rating.
4. Bus: Copper
5. Neutral: 200%
6. Aux Contact: 2A/B on MBB breaker only
7. Control: Single Kirk key Interlocked on MBB & MIB breakers
8. Equipment ground
9. Refer to national electric code for acceptable external wiring practice.
10. An upstream overcurrent protection with a maximum rating of 125% of the UPS rectifier input must be installed at the MBP input A1,B1,&C1).
11. The external wiring is rated at 75°C or 90°C.
12. The external wiring material and labor to be provided and paid by others.
13. Maintenance Bypass Input must come from a 3Ø/4W/G (wye), solidly grounded electrical system.
14. The control, if any, and power wirings must be installed in separate conduits.
15. To avoid a load dump or damage to the equipment, the transfer sequence instruction nameplate mounted to the MBP's door must be followed

UPS (KVA) (Series 2)	MBP PART NUMBER	BREAKER MODEL (EATON-C)	MBB/MIB (Trip)	UIB (Trip)	kAIC@ 240Vac	MBP Dimensions (W x D x H)
15	MBP0122060600-L100	EHD3060	60A	60A	18	30.0" x 10.0" x 36.0"
	MBP0122060600-L600	ED3060	60A	60A	65	
20	MBP0222070700-L100	EHD3070	70A	70A	18	
	MBP0222070700-L600	FD3070	70A	70A	65	
30	MBP0322121200-L200	EDB3125	125A	125A	22	
	MBP0322121200-L600	ED3125	125A	125A	65	
50	MBP0522172000-L200	EDB3175 EDB3200	175A	200A	22	
	MBP0522172000-L600	ED3175 ED3200	175A	200A	65	
60	MBP0622222500-L600	JDB3225 JDB3250	225A	250A	65	
80	MBP0822303500-L600	KDB3300 KDB3350	300A	350A	65	30.0" x 11.0" x 42.0"
100	MBP1022354000-L600	KDB3350 KDB3400	350A	400A	65	

LEGEND:
MIB: UPS MODULE ISOLATION BREAKER
MBB: MAINTENANCE BYPASS BREAKER
UIB: UPS INPUT BREAKER
A1,B1,&C1: MBP Input from Utility, Phase-A, B, & C

LEGEND, CONTINUED
A2,B2,&C2: MBP Input from UPS output, Phase A,B, & C
A3,B3,&C3: MBP Output to Critical Load, Phase A, B, & C
A4,B4,&C4: MBP Output to UPS rect./By., Phase A, B, & C
N: Neutral; G: Ground

Project Name: STD		Point of Contact:			Equipment Part Number: See table 1	
GE Critical Power	Issued by: PH	Issued date: 07/08/15	Scale: NONE	Drawing Title: System 1L for LP33-15 to 100kva, S2 (208vac) & 3-brk, wall mount MBP w/ KK		
	Revised by: PH	Revised date: 11/17/15	Rev. No.: 2.0	Drawing No.:	Sheet No.:	
				1-P3421LxxSU02K00C		1 of 1

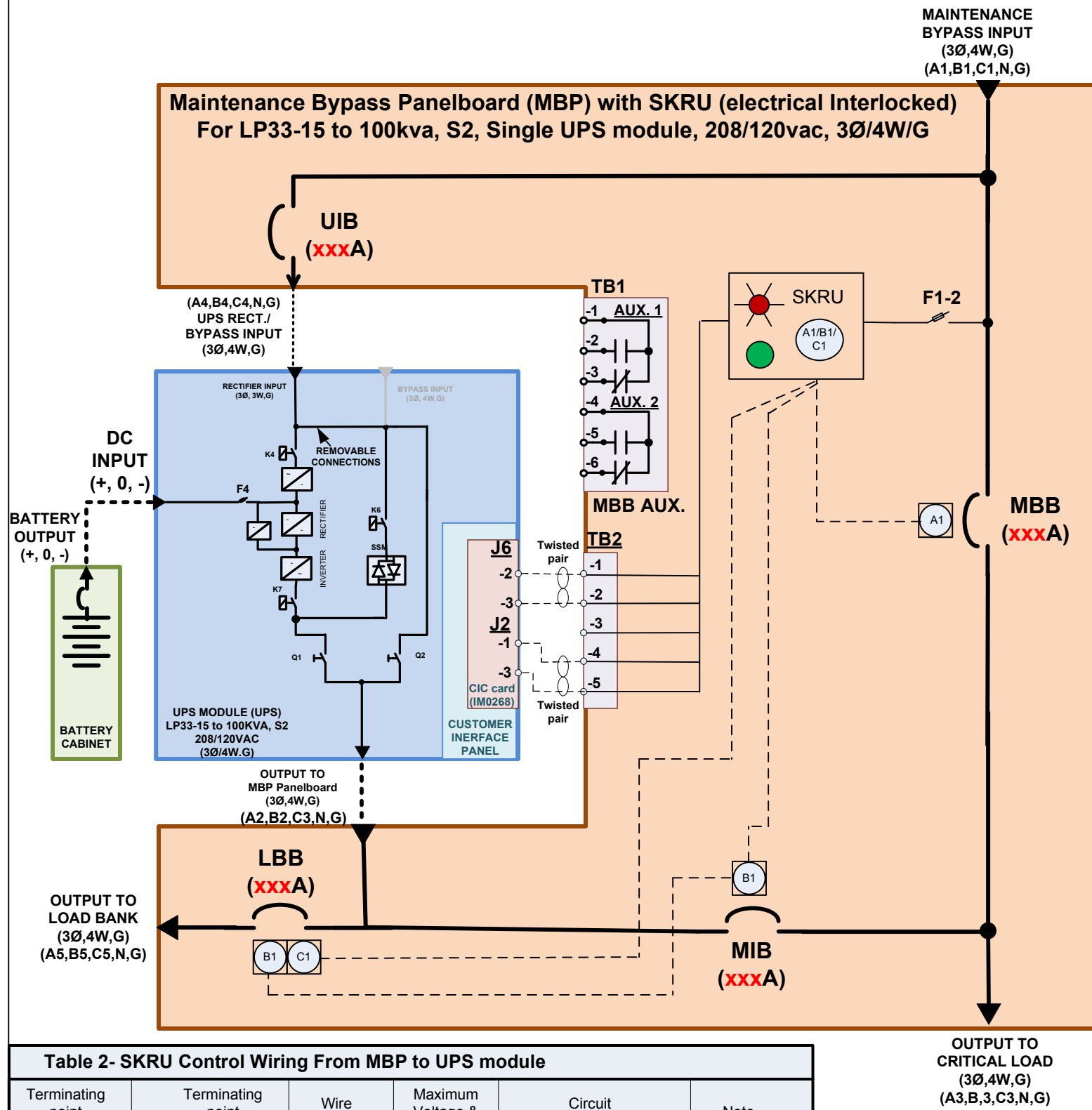


Table 2- SKRU Control Wiring From MBP to UPS module

Terminating point In MBP	Terminating point In UPS	Wire Size	Maximum Voltage & Current	Circuit Function	Note
TB2-1	J6-2 (CIC card)	18AWG	250Vac	SKRU control (Key can be removed if UPS is on bypass)	Twisted pair
TB2-2	J6-3 (CIC card)				
TB2-4	J2-1 (CIC card)	18AWG	24V 1.25A	UPS control (UPS transfer is prohibited during testing)	Twisted pair
TB2-5	J2-3 (CIC card)				

LEGEND:
MIB: UPS MODULE ISOLATION BREAKER
MBB: MAINTENANCE BYPASS BREAKER
UIB: UPS INPUT BREAKER
A1,B1,&C1: MBP Input from Utility, Phase-A, B, & C

LEGEND, CONTINUED
A2,B2,&C2: MBP Input from UPS output, Phase A,B, & C
A3,B3,&C3: MBP Output to Critical Load, Phase A, B, & C
A4,B4,&C4: MBP Output to UPS rect./By., Phase A, B, & C
N: Neutral; G: Ground

Notes:

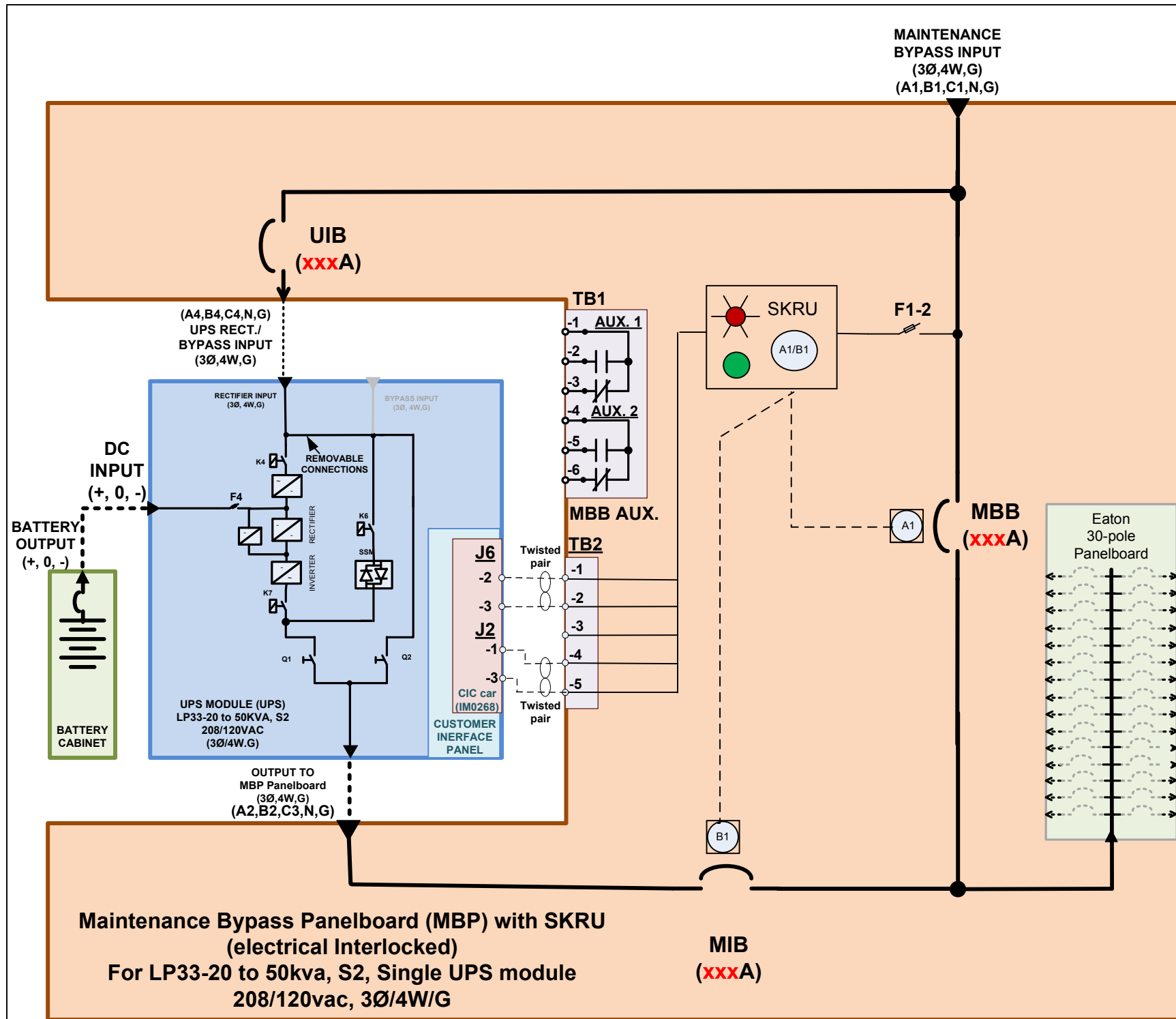
3-brk Maintenance Bypass Panelboard (MBP) with SKRU (Wall Mount- Non-matching)

1. Wall mount **Make-Before-Break** Maintenance Bypass Panelboard (MBP), with SKRU for LP33 series 2 (S2) UPS, 208/120Vac, 3Ø/4W/G.
2. Main Breakers: MIB, MBB, &LBB (xxxAT), 80% molded case, manually operated breaker. Refer to **Table 1** for breaker current rating.
3. UPS Input Breaker: UIB (xxxAT), 80% molded case, manually operated breaker. Refer to **Table 1** for breaker current rating.
4. Bus: Copper
5. Neutral: 200%
6. Aux Contact: 2A/B on MBB breaker only
7. Control: SKRU with Kirk Key on MBB and MIB breakers.
8. Equipment ground
9. Refer to national electric code for acceptable external wiring practice.
10. An upstream overcurrent protection with a maximum rating of 125% of the UPS rectifier input must be installed at the MBP input A1,B1,&C1).
11. The external wiring is rated at 75°C or 90°C.
12. The external wiring material and labor to be provided and paid by others.
13. Maintenance Bypass Input must come from a 3Ø/4W/G (wye), solidly grounded electrical system.
14. The control and power wirings must be installed in separate conduits.
15. Refer to **Table 2** for control wiring from MBP to UPS module.
16. A Customer Interface Card, p/n: 1026645 (IM0268), is required in the UPS module.
17. To avoid a load dump or damage to the equipment, the transfer sequence instruction nameplate mounted to the MBP's door must be followed

Table 1: 3-brk Maintenance Bypass Panelboard (MBP) with SKRU (Electrical Control) & LBB Breaker Schedule

UPS (KVA) (Series 2)	MBP PART NUMBER	BREAKER MODEL (EATON-C)	MBB/MIB/LBB (Trip)	UIB (Trip)	kAIC@ 240Vac	MBP Dimensions (W x D x H)
15	MBP01220606L0-K100	EHD3060	60A	60A	18	TBD
	MBP01220606L0-K600	ED3060	60A	60A	65	
20	MBP02220707L0-K100	EHD3070	70A	70A	18	
	MBP02220707L0-K600	FD3070	70A	70A	65	
30	MBP03221212L0-K200	EDB3125	125A	125A	22	
	MBP03221212L0-K600	ED3125	125A	125A	65	
50	MBP05221720L0-K200	EDB3175	175A	200A	22	
	MBP05221720L0-K600	EDB3200	175A	200A	65	
		ED3175	175A	200A	65	
60	MBP0622225L0-K600	JDB3225	225A	250A	65	
80	MBP08223035L0-K600	KDB3300	300A	350A	65	TBD
100	MBP10223540L0-K600	KDB3350	350A	400A	65	

Project Name: STD		Point of Contact:			Equipment Part Number: See table 1	
	Issued by: PH	Issued date: 07/08/15	Scale: NONE	Drawing Title: System 1L for LP33-15 to 100kva, S2 (208vac) & 3-brk,WM MBP w/ SKRU & LBB		
	Revised by: PH	Revised date: 11/17/15	Rev. No.: 2.0	Drawing No.: 1-P3421LxxSUL2S00C		Sheet No.: 1 of 1



- Notes:**
1. Wall mount **Make-Before-Break** Maintenance Bypass Panelboard (MBP), with SKRU for LP33 series 2 (S2) UPS module, 208/120Vac, 3Ø/4W/G.
 2. Main Breakers: MIB & MBB (xxxAT), 80% molded case, manually operated breaker. Refer to **Table 1** for breaker current rating.
 3. UPS Input Breaker: UIB (xxxAT), 80% molded case, manually operated breaker. Refer to **Table 1** for breaker current rating.
 4. Bus: Copper
 5. Neutral: 200%
 6. Aux Contact: 2A/B on MBB breaker only
 7. Distribution Panel: 30-pole Distribution Panel without Main Breaker.
 8. Control: SKRU with Kirk Key on MBB and MIB breakers.
 9. Equipment ground
 10. Refer to national electric code for acceptable external wiring practice.
 11. An upstream overcurrent protection with a maximum rating of 125% of the UPS rectifier input must be installed at the MBP input A1, B1, & C1).
 12. The external wiring is rated at 75°C or 90°C.
 13. The external wiring material and labor to be provided and paid by others.
 14. Maintenance Bypass Input must come from a 3Ø/4W/G (wye), solidly grounded electrical system.
 15. The control and power wirings must be installed in separate conduits.
 16. Refer to **Table 2** for control wiring from MBP to UPS module.
 17. A Customer Interface Card, p/n: 102645 (IM0268), is required in the UPS module.
 18. To avoid a load dump or damage to the equipment, the transfer sequence instruction nameplate mounted to the MBP's door must be followed

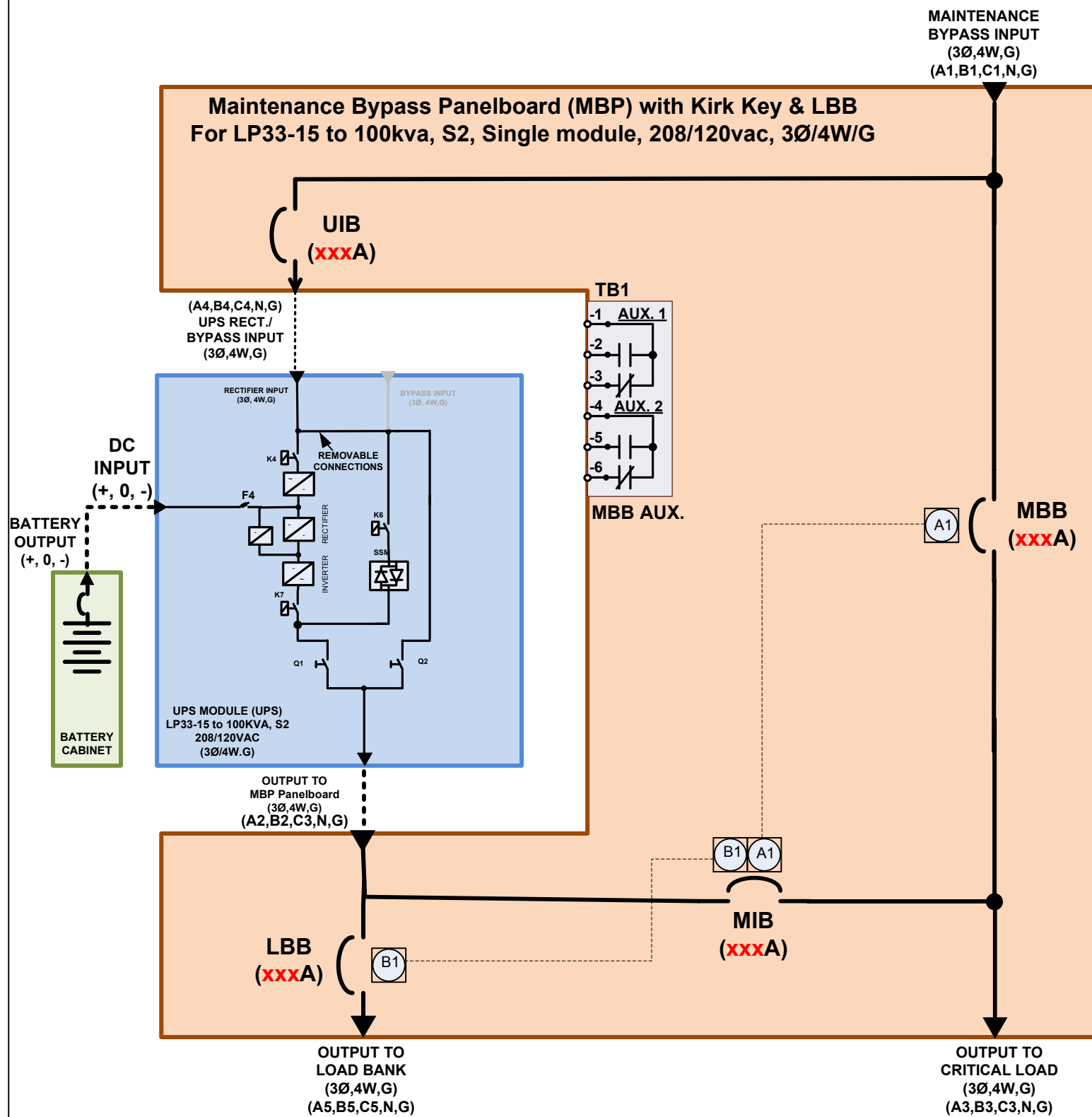
UPS (KVA) (Series 2)	MBP PART NUMBER	MBB/MIB (Trip)	UIB (Trip)	kAIC@ 240Vac	Distribution Panel (DP)	MBP Dimensions (W x D x H)
20	MBP0222070700-K1D3	70A	70A	18	Eaton	25.5.0" x 10.0" x 55.1"
30	MBP0322121200-K2D3	125A	125A	22	30-pole DP	
50	MBP0522172000-K2D3	175A	200A	22	w/o branch breakers	

Terminating point In MBP	Terminating point In UPS	Wire Size	Maximum Voltage & Current	Circuit Function	Note
TB2-1	J6-2 (CIC card)	18AWG	250vac	SKRU control (Key can be removed if UPS is on bypass)	Twisted pair
TB2-2	J6-3 (CIC card)				
TB2-4	J2-1 (CIC card)	18AWG	24V 1.25A	UPS control (UPS transfer is prohibited during testing)	Twisted pair
TB2-5	J2-3 (CIC card)				

LEGEND:
MIB: UPS MODULE ISOLATION BREAKER
MBB: MAINTENANCE BYPASS BREAKER
UIB: UPS INPUT BREAKER
A1,B1,&C1: MBP Input from Utility, Phase-A, B, & C

LEGEND, CONTINUED
A2,B2,&C2: MBP Input from UPS output, Phase A,B, & C
A3,B3,&C3: MBP Output to Critical Load, Phase A, B, & C
A4,B4,&C4: MBP Output to UPS rect./Byp., Phase A, B, & C
N: Neutral; G: Ground

Project Name: STD		Point of Contact:		Equipment Part Number: See table 1	
	Issued by: PH	Issued date: 07/08/15	Scale: NONE	Drawing Title: 3-brk MBP w/ SKRU & 30-pole DP, for LP33-20 to 50kva, S2, UPS module	
	Revised by: PH	Revised date: 11/17/15	Rev. No.: 2.0	Drawing No.: 1-P3421L05SU02SD3C	Sheet No.: 1 of 1



Notes:

- 3-brk Maintenance Bypass Panelboard (MBP) with Kirk Key & LBB (Wall Mount- Non-matching)**
1. Wall mount **Make-Before-Break** Maintenance Bypass Panelboard (MBP), with Kirk Key and LBB for LP33 series 2 (S2) UPS module, 208/120Vac, 3Ø/4W/G.
 2. Main Breakers: MIB & MBB (xxxAT), 80% molded case, manually operated breaker. Refer to **Table 1** for breaker current rating.
 3. UPS Input Breaker: UIB (xxxAT), 80% molded case, manually operated breaker. Refer to **Table 1** for breaker current rating.
 4. Load Bank Breaker: LBB (xxxAT), 80% molded case, manually operated breaker. Refer to **Table 1** for breaker current rating.
 5. Bus: Copper
 6. Neutral: 200%
 7. Aux Contact: 2A/B on MBB breaker only
 8. Control: Single Kirk Key interlocked on MBB (A1) and LBB (B1). Dual Kirk Key on MIB (A1 & B1) breaker.
 9. Equipment ground
 10. Refer to national electric code for acceptable external wiring practice.
 11. An upstream overcurrent protection with a maximum rating of 125% of the UPS rectifier input must be installed at the MBP input A1,B1,&C1).
 12. The external wiring is rated at 75°C or 90°C.
 13. The external wiring material and labor to be provided and paid by others.
 14. Maintenance Bypass Input must come from a 3Ø/4W/G (wye), solidly grounded electrical system.
 15. The control, if any, and power wirings must be installed in separate conduits.
 16. To avoid a load dump or damage to the equipment, the transfer sequence instruction nameplate mounted to the MBP's door must be followed

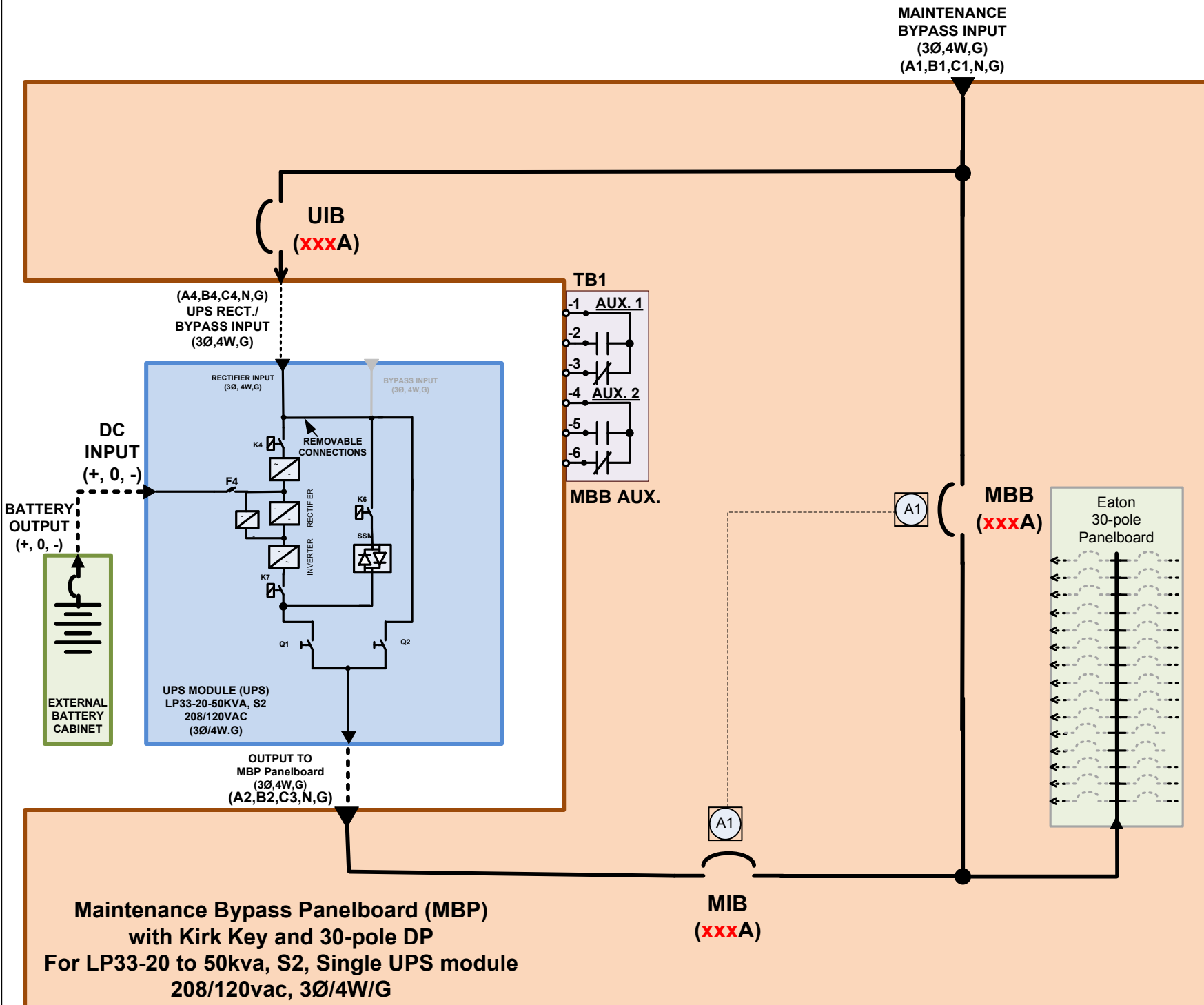
Table 1: 3-brk Maintenance Bypass Panelboard (MBP) with Kirk Key Interlocked Breaker Schedule

UPS (KVA) (Series 2)	MBP PART NUMBER	BREAKER MODEL (EATON-C)	MBB/MIB/LBB (Trip)	UIB (Trip)	kAIC@ 240Vac	MBP Dimensions (W x D x H)
15	MBP01220606L0-L100	EHD3060	60A	60A	18	TBD
	MBP01220606L0-L600	ED3060	60A	60A	65	
20	MBP02220707L0-L100	EHD3070	70A	70A	18	
	MBP02220707L0-L600	FD3070	70A	70A	65	
30	MBP03221212L0-L200	EDB3125	125A	125A	22	
	MBP03221212L0-L600	ED3125	125A	125A	65	
50	MBP05221720L0-L200	EDB3175 EDB3200	175A	200A	22	
	MBP05221720L0-L600	ED3175 ED3200	175A	200A	65	
60	MBP06222225L0-L600	JDB3225 JDB3250	225A	250A	65	
80	MBP08223035L0-L600	KDB3300 KDB3350	300A	350A	65	TBD
100	MBP10223540L0-L600	KDB3350 KDB3400	350A	400A	65	

LEGEND:
MIB: UPS MODULE ISOLATION BREAKER
MBB: MAINTENANCE BYPASS BREAKER
UIB: UPS INPUT BREAKER
LBB: LOAD BANK BREAKER

LEGEND CONTINUED
A1,B1,&C1: MBP Input from Utility, Phase-A, B, & C
A2,B2,&C2: MBP Input from UPS output, Phase A,B, & C
A3,B3,&C3: MBP Output to Critical Load, Phase A, B, & C
A4,B4,&C4: MBP Output to UPS rect./By., Phase A, B, & C
A5,B5,&C5: MBP Output to Critical Load, Phase A, B, & C
N: Neutral; G: Ground

Project Name: STD	Point of Contact:	Equipment Part Number: See table 1		
GE Critical Power	Issued by: PH	Issued date: 07/08/15	Scale: NONE	Drawing Title: System 1L for LP33-15 to 100kva, S2 (208vac) & 3-brk, WM MBP w/ KK & LBB
	Revised by: PH	Revised date: 10/21/15	Rev. No.: 2.0	Drawing No.: 1-P3421LxxSUL2K00C Sheet No.: 1 of 1



- Notes:**
- 3-brk Maintenance Bypass Panelboard (MBP) with Kirk Key (Wall Mount- Non-matching)**
1. Wall mount **Make-Before-Break** Maintenance Bypass Panelboard (MBP), with Kirk Key for LP33 series 2 (S2) UPS module, 208/120Vac, 3Ø/4W/G.
 2. Main Breakers: MIB & MBB (xxxAT), 80% molded case, manually operated breaker. Refer to **Table 1** for breaker current rating.
 3. UPS Input Breaker: UIB (xxxAT), 80% molded case, manually operated breaker. Refer to **Table 1** for breaker current rating.
 4. Bus: Copper
 5. Neutral: 200%
 6. Aux Contact: 2A/B on MBB breaker only
 7. Distribution Panel: (DP) Eaton 30-pole Distribution panel without branch breakers.
 8. Control: Single Kirk key Interlocked on MBB & MIB breakers
 9. Equipment ground
 10. Refer to national electric code for acceptable external wiring practice.
 11. An upstream overcurrent protection with a maximum rating of 125% of the UPS rectifier input must be installed at the MBP input A1,B1,&C1).
 12. The external wiring is rated at 75°C or 90°C.
 13. The external wiring material and labor to be provided and paid by others.
 14. Maintenance Bypass Input must come from a 3Ø/4W/G (wye), solidly grounded electrical system.
 15. The control, if any, and power wirings must be installed in separate conduits.
 16. To avoid a load dump or damage to the equipment, the transfer sequence instruction nameplate mounted to the MBP's door must be followed

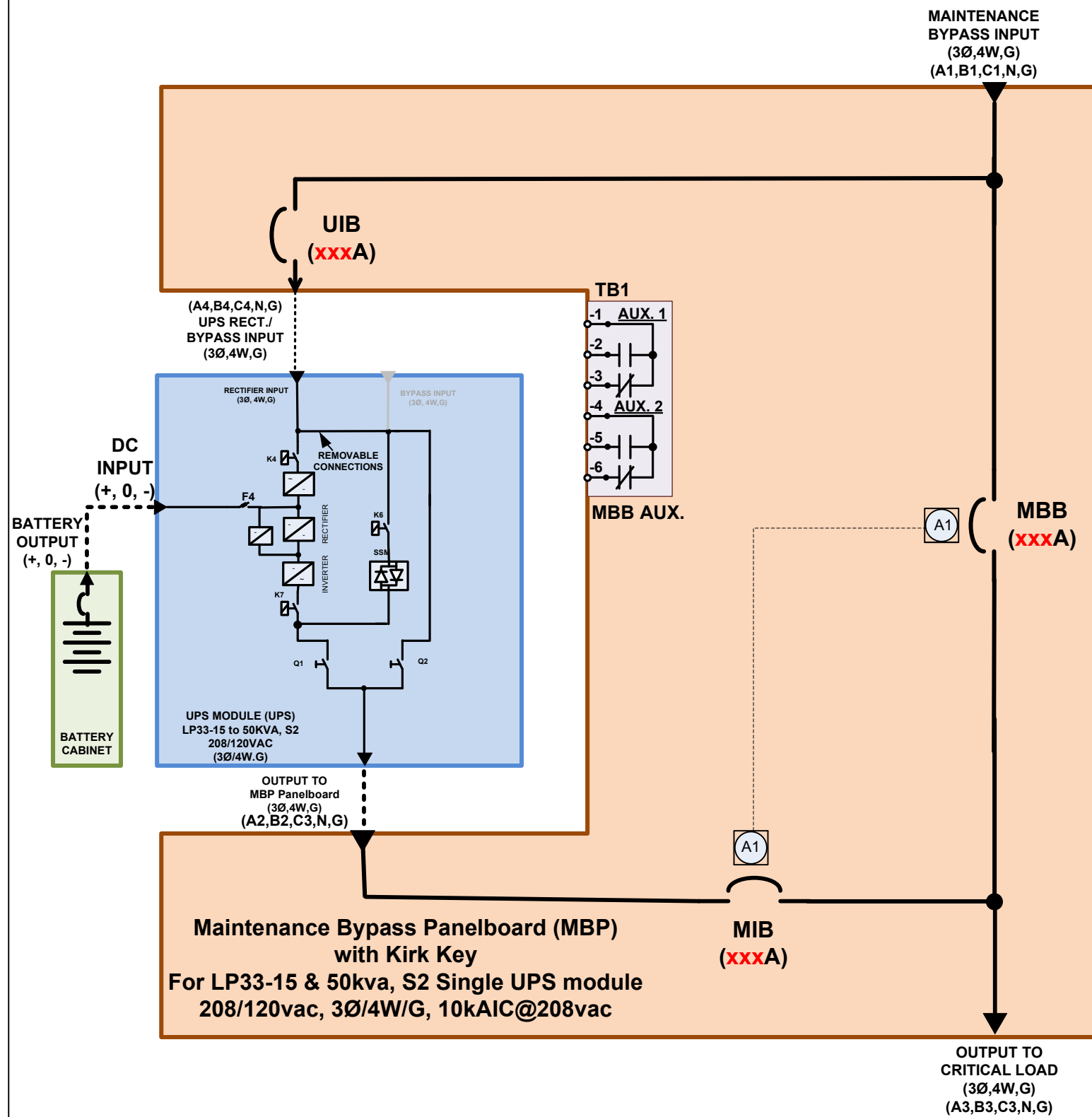
Table 1: 3-brk Maintenance Bypass Panelboard (MBP) with Kirk Key and 30-pole Distribution Panel (DP)-Breaker Schedule

	MBP PART NUMBER	MBB/MIB (Trip)	UIB (Trip)	kAIC@ 240Vac	Distribution Panel (DP)	MBP Dimensions (W x D x H)
20	MBP0222070700-L1D3	70A	70A	18	Eaton	25.5.0" x 10.0" x 55.1"
30	MBP0322121200-L2D3	125A	125A	22	30-pole DP	
50	MBP0522172000-L2D3	175A	200A	22	w/o branch breakers	

LEGEND:
MIB: UPS MODULE ISOLATION BREAKER
MBB: MAINTENANCE BYPASS BREAKER
UIB: UPS INPUT BREAKER
A1,B1,&C1: MBP Input from Utility, Phase-A, B, & C

LEGEND. CONTINUED
A2,B2,&C2: MBP Input from UPS output, Phase A,B, & C
A3,B3,&C3: MBP Output to Critical Load, Phase A, B, & C
A4,B4,&C4: MBP Output to UPS rect./By., Phase A, B, & C
N: Neutral; G: Ground

Project Name: STD		Point of Contact:			Equipment Part Number: See table 1	
 GE Critical Power	Issued by: PH	Issued date: 07/08/15	Scale: NONE	Drawing Title: 3-brk MBP w/ Kirk Key & 30-pole DP for PL33-20 to 50kva, S2, UPS module		
	Revised by: PH	Revised date: 10/21/15	Rev. No.: 2.0	Drawing No.: 1-P3421L05SU02KD3C		Sheet No.: 1 of 1



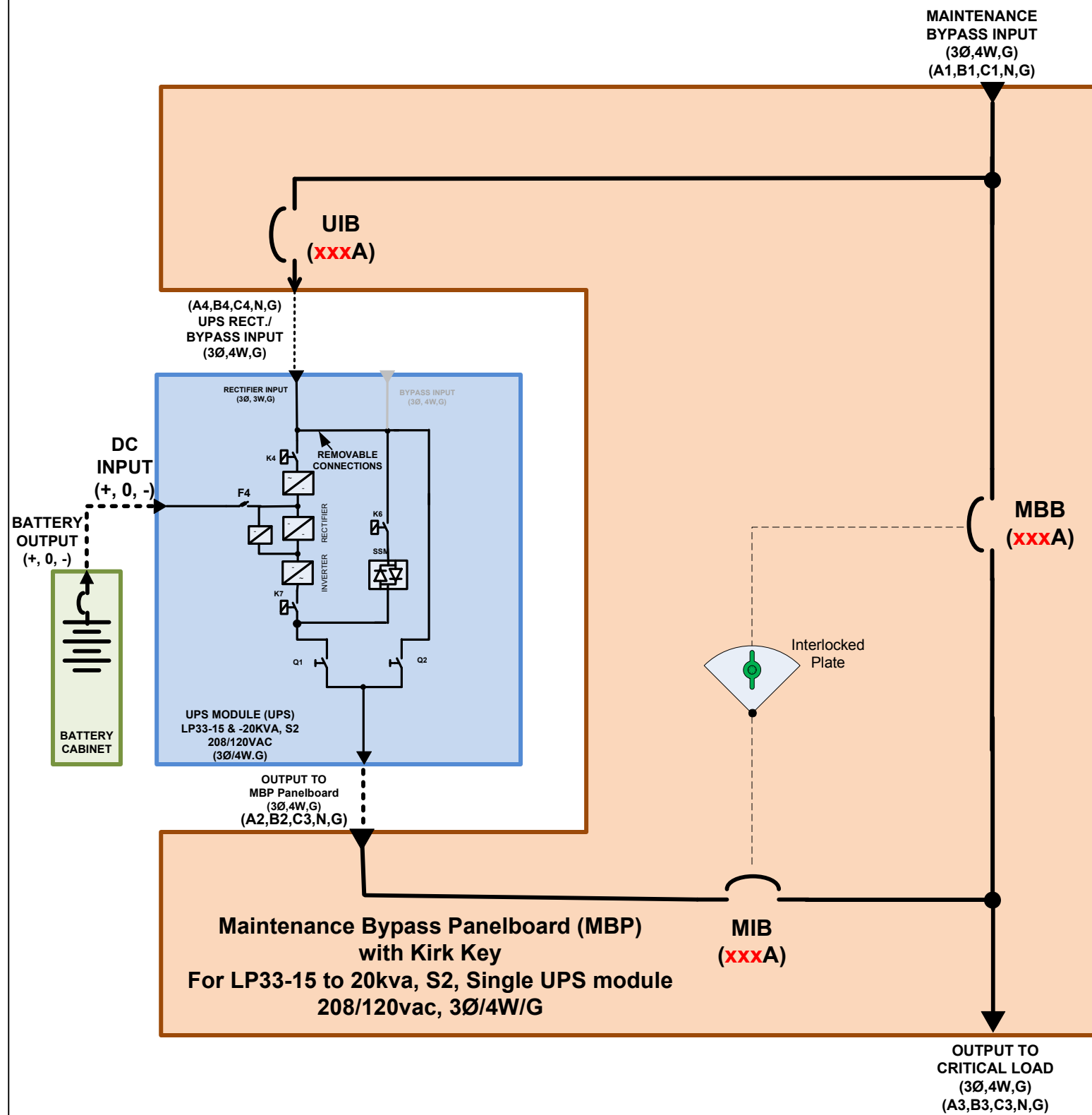
Notes:

3-brk Maintenance Bypass Panelboard (MBP) with Kirk Key (Wall Mount- Non-matching)

1. Wall mount **Make-Before-Break** Maintenance Bypass Panelboard (MBP), with Kirk Key, **10kAIC@240vac**, for LP33 series 2 (S2) UPS, 208/120Vac, 3Ø/4W/G.
2. Main Breakers: MIB & MBB (xxxAT), 80% molded case, manually operated breaker. Refer to **Table 1** for breaker current rating.
3. UPS Input Breaker: UIB (xxxAT), 80% molded case, manually operated breaker. Refer to **Table 1** for breaker current rating.
4. Bus: Copper
5. Neutral: 200%
6. Aux Contact: 2A/B on MBB breaker only
7. Control: Single Kirk key interlocked on MBB & MIB breakers
8. Equipment ground
9. Refer to national electric code for acceptable external wiring practice.
10. An upstream overcurrent protection with a maximum rating of 125% of the UPS rectifier input must be installed at the MBP input A1, B1, & C1).
11. The external wiring is rated at 75°C or 90°C.
12. The external wiring material and labor to be provided and paid by others.
13. Maintenance Bypass Input must come from a 3Ø/4W/G (wye), solidly grounded electrical system.
14. The control, if any, and power wirings must be installed in separate conduits.
15. To avoid a load dump or damage to the equipment, the transfer sequence instruction nameplate mounted to the MBP's door must be followed

UPS (KVA) (Series 2)	MBP PART NUMBER	MBB/MIB (Trip)	UIB (Trip)	kAIC@ 240Vac	MBP Dimensions (W x D x H)
15	MBP0122060600-L000	60A	60A	10	22.0" x 9.0" x 24.0"
20	MBP0222070700-L000	70A	70A	10	
30	MBP0322121200-L000	125A	125A	10	
50	MBP0522172000-L000	175A	200A	10	

Project Name: STD		Point of Contact:			Equipment Part Number: See table 1	
GE Critical Power	Issued by: PH	Issued date: 07/08/15	Scale: NONE	Drawing Title: 3-brk, wall mount MBP w/ KK, 10kaic @240vac, for LP33-15 to 50kva, S2, UPS.		
	Revised by: PH	Revised date: 11/17/15	Rev. No.: 2.0	Drawing No.: 1-P3421L05SU02KLKC		Sheet No.: 1 of 1



Notes:

- 3-brk Maintenance Bypass Panelboard (MBP) with Interlock Plate (Wall Mount- Non-matching)**
1. Wall mount **Make-Before-Break** Maintenance Bypass Panel (MBP), with Interlock Plate for LP33 series 2 (S2) UPS, 208/120Vac, 3Ø/4W/G.
 2. Main Breakers: MIB & MBB (xxxAT), 80% molded case, manually operated breaker. Refer to **Table 1** for breaker current rating.
 3. UPS Input Breaker: UIB (xxxAT), 80% molded case, manually operated breaker. Refer to **Table 1** for breaker current rating.
 4. Bus: Copper
 5. Neutral: 200%
 6. Aux Contact: None
 7. Control: Interlocked Plate between MBB & MIB breakers
 8. Equipment ground
 9. Refer to national electric code for acceptable external wiring practice.
 10. An upstream overcurrent protection with a maximum rating of 125% of the UPS rectifier input must be installed at the MBP input A1,B1,&C1).
 11. The external wiring is rated at 75°C or 90°C.
 12. The external wiring material and labor to be provided and paid by others.
 13. Maintenance Bypass Input must come from a 3Ø/4W/G (wye), solidly grounded electrical system.
 14. The control, if any, and power wirings must be installed in separate conduits.
 15. To avoid a load dump or damage to the equipment, the transfer sequence instruction nameplate mounted to the MBP's door must be followed

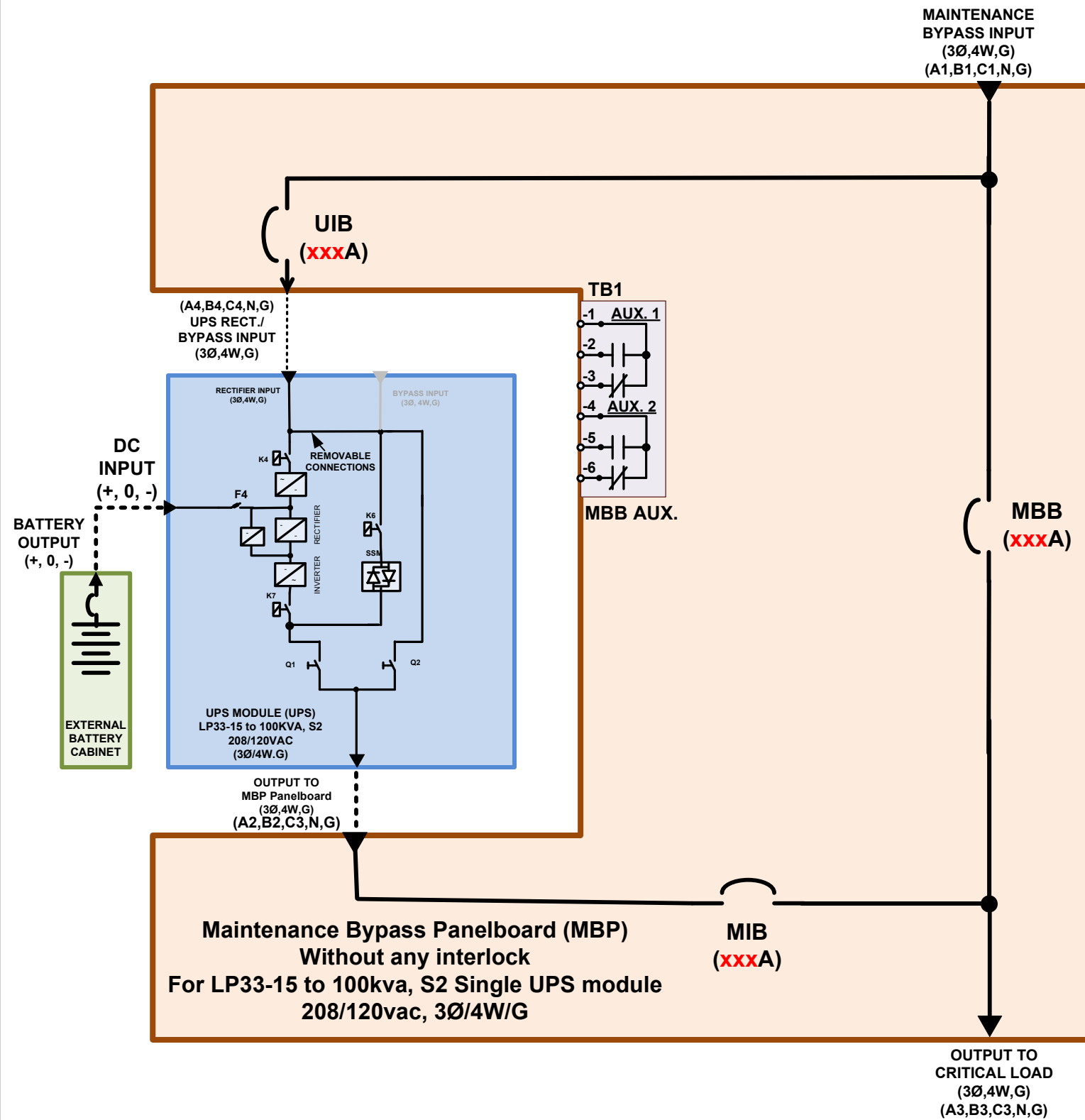
Table 1: 3-brk Maintenance Bypass Panelboard (MBP) with Interlocked Plate, 10kaic@240vac- Breaker Schedule

UPS (KVA) (Series 2)	MBP PART NUMBER	MBB/MIB (Trip)	UIB (Trip)	kAIC@ 240Vac	MBP Dimensions (W x D x H)
15	MBP0122060600-00IP	60A	60A	10	24.0" x 5.56" x 12.0"
20	MBP0222070700-00IP	70A	70A	10	

LEGEND:
MIB: UPS MODULE ISOLATION BREAKER
MBB: MAINTENANCE BYPASS BREAKER
UIB: UPS INPUT BREAKER
A1,B1,&C1: MBP Input from Utility, Phase-A, B, & C

LEGEND. CONTINUED
A2,B2,&C2: MBP Input from UPS output, Phase A,B, & C
A3,B3,&C3: MBP Output to Critical Load, Phase A, B, & C
A4,B4,&C4: MBP Output to UPS rect./By., Phase A, B, & C
N: Neutral; G: Ground

Project Name: STD		Point of Contact:			Equipment Part Number: See table 1	
GE Critical Power	Issued by: PH	Issued date: 07/08/15	Scale: NONE		Drawing Title: System 1L for LP33-15 to 20kva, S2 (208vac) & 3-brk, wall mount MBP w/ IP	
	Revised by: PH	Revised date: 11/17/15	Rev. No.: 2.0		Drawing No.: 1-P3421L02SU02P00C	Sheet No.: 1 of 1



Notes:

3-brk Maintenance Bypass Panelboard (MBP) without any interlock (Wall Mount- Non-matching)

1. Wall mount **Make-Before-Break** Maintenance Bypass Panelboard (MBP) for LP33 series 2 (S2) UPS module, 208/120Vac, 3Ø/4W/G.
2. Main Breakers: MIB & MBB (xxxAT), 80% molded case, manually operated breaker. Refer to **Table 1** for breaker current rating.
3. UPS Input Breaker: UIB (xxxAT), 80% molded case, manually operated breaker. Refer to **Table 1** for breaker current rating.
4. Bus: Copper
5. Neutral: 200%
6. Aux Contact: 2A/B on MBB breaker only
7. Control: None
8. Equipment ground
9. Refer to national electric code for acceptable external wiring practice.
10. An upstream overcurrent protection with a maximum rating of 125% of the UPS rectifier input must be installed at the MBP input A1,B1,&C1).
11. The external wiring is rated at 75°C or 90°C.
12. The external wiring material and labor to be provided and paid by others.
13. Maintenance Bypass Input must come from a 3Ø/4W/G (wye), solidly grounded electrical system.
14. The control, if any, and power wirings must be installed in separate conduits.
15. To avoid a load dump or damage to the equipment, the transfer sequence instruction nameplate mounted to the MBP's door must be followed
16. Not UL listed.

Table 1: 3-brk Maintenance Bypass Panelboard (MBP) without any kind of Interlocked Breaker Schedule

UPS (KVA) (Series 2)	MBP PART NUMBER	BREAKER MODEL (EATON-C)	MBB/MIB (Trip)	UIB (Trip)	kAIC@ 240Vac	MBP Dimensions (W x D x H)
15	MBP0122060600-0100	EHD3060	60A	60A	18	30.0" x 10.0" x 36.0"
	MBP0122060600-0600	ED3060	60A	60A	65	
20	MBP0222070700-0100	EHD3070	70A	70A	18	
	MBP0222070700-0600	FD3070	70A	70A	65	
30	MBP0322121200-0200	EDB3125	125A	125A	22	
	MBP0322121200-0600	ED3125	125A	125A	65	
50	MBP0522172000-0200	EDB3175 EDB3200	175A	200A	22	
	MBP0522172000-0600	ED3175 ED3200	175A	200A	65	
60	MBP0622222500-0600	JDB3225 JDB3250	225A	250A	65	
80	MBP0822303500-0600	KDB3300 KDB3350	300A	350A	65	30.0" x 11.0" x 42.0"
100	MBP1022354000-0600	KDB3350 KDB3400	350A	400A	65	

LEGEND:

MIB: UPS MODULE ISOLATION BREAKER
 MBB: MAINTENANCE BYPASS BREAKER
 UIB: UPS INPUT BREAKER
 A1,B1,&C1: MBP Input from Utility, Phase-A, B, & C

LEGEND. CONTINUED

A2,B2,&C2: MBP Input from UPS output, Phase A, B, & C
 A3,B3,&C3: MBP Output to Critical Load, Phase A, B, & C
 A4,B4,&C4: MBP Output to UPS rect./By., Phase A, B, & C
 N: Neutral; G: Ground

Project Name: STD		Point of Contact:			Equipment Part Number: See table 1	
GE Critical Power	Issued by: PH	Issued date: 07/08/15	Scale: NONE	Drawing Title: 1L for LP33-15 to 100kva, S2 (208vac) & 3-brk, wall mount MBP w/o interlock		
	Revised by: PH	Revised date: 11/17/15	Rev. No.: 2.0	Drawing No.: 1-P3421LxxSU02000C		Sheet No.: 1 of 1