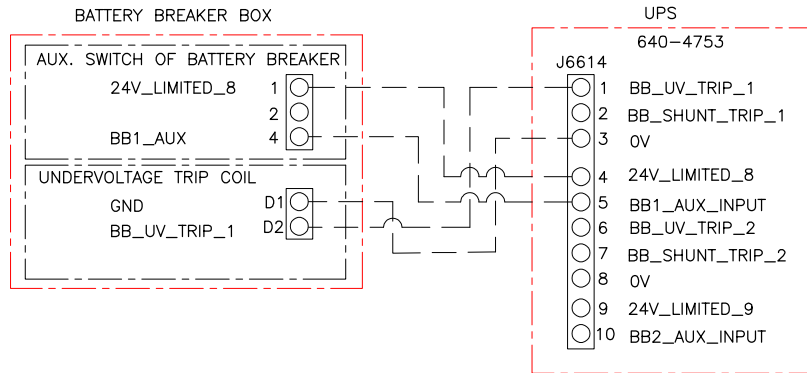
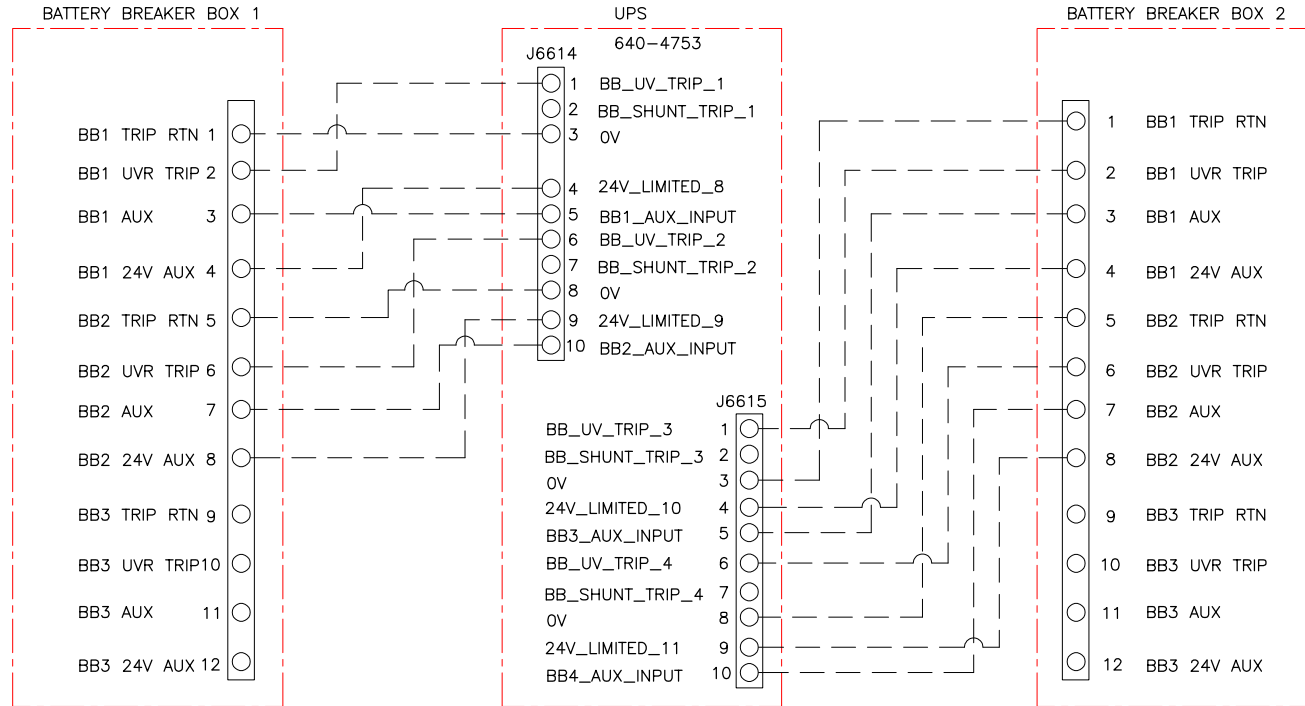


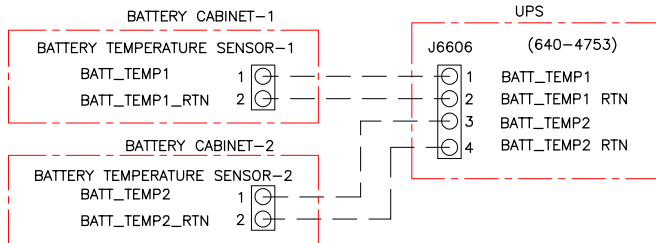
INTERFACE CONNECTION FOR 1 BATTERY BREAKER BOX WITH 1 CB (BBB: GVBBB630EL-1CB/BBK: (GVBBK630EL, QTY-1)



INTERFACE CONNECTION FOR 2 BATTERY BREAKER BOX WITH 2 CB PER UNIT (BBB: GVBBB630EL-2CB/BBK: (GVBBK630EL, QTY-4)



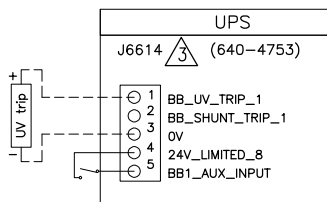
UPS - BATTERY TEMPERATURE SENSOR



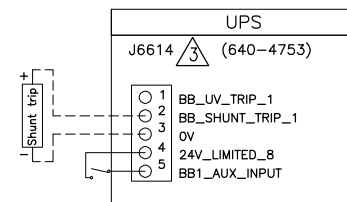
- NOTES:
1. INSTALL THE PROVIDED TEMPERATURE SENSOR IN THE TOP CORNER OF THE BATTERY CABINET
 2. FOR Li-Ion BATTERY SOLUTION REFER TO NOTE-5

INTERFACE BETWEEN UPS AND THIRD PARTY BATTERY CABINETS

BATTERY BREAKER UNDER VOLTAGE TRIP CONNECTION WITH INTERNAL 24VDC SUPPLY



BATTERY BREAKER SHUNT TRIP CONNECTION WITH INTERNAL 24VDC SUPPLY



NOTES:

1. CURRENT, TIME AND TEMPERATURE DETAILS FOR VARIOUS SUPPORTED SHUNT REFER TO INSTALLATION MANUAL.
2. CONNECT NON-CLASS 2/ NON-SELV SIGNAL CABLES. INTERFACE CABLES PROVIDED BY OTHERS.
3. CONNECTION SHOWN FOR BREAKER-1 TO TERMINAL J6614, PIN 1-5 IN THE UPS. CONNECT BREAKER-2 TO TERMINAL J6614, PIN 6-10 IN THE UPS. CONNECT BREAKER-3 TO TERMINAL J6615, PIN 1-5 IN THE UPS. CONNECT BREAKER-4 TO TERMINAL J6615, PIN 6-10 IN THE UPS.
4. THE UPS CAN CONNECT TO AND MONITOR UP TO 4 GROUP BATTERY BREAKERS.

NOTE:-

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT INSTALLATION DOCUMENTATION FOR SITE PREPARATIONS.
3. FOR LATEST BOARD PART NUMBERS CONTACT SCHNEIDER ELECTRIC.
4. ----- = CABLES PROVIDED BY OTHERS.
5. FOR Li-Ion BATTERY INTERFACE DETAILS REFER TO SKU# LIBSESMG16IEC AND LIBSESMG17IEC.
6. ROUTE THE SELV/Class2 AND NON-SELV/non-Class2 CABLES SEPARATELY.

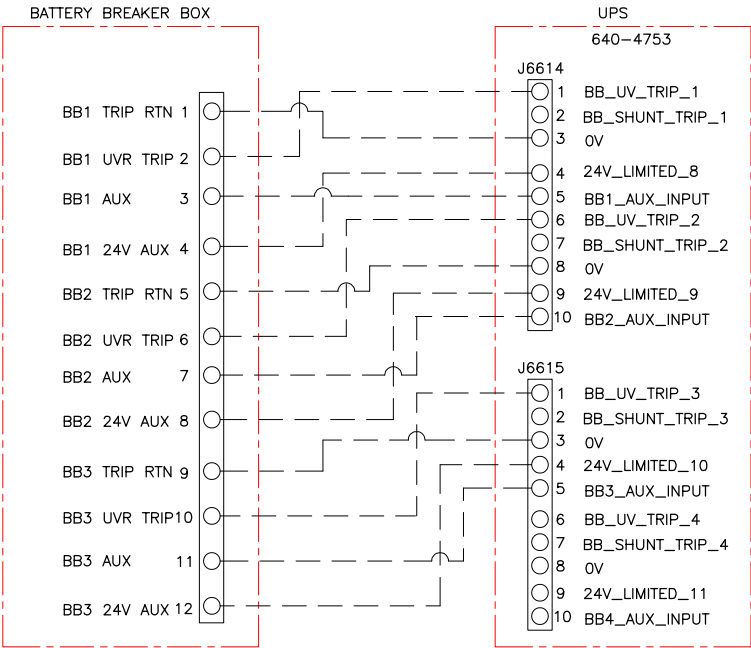
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Schneider Electric

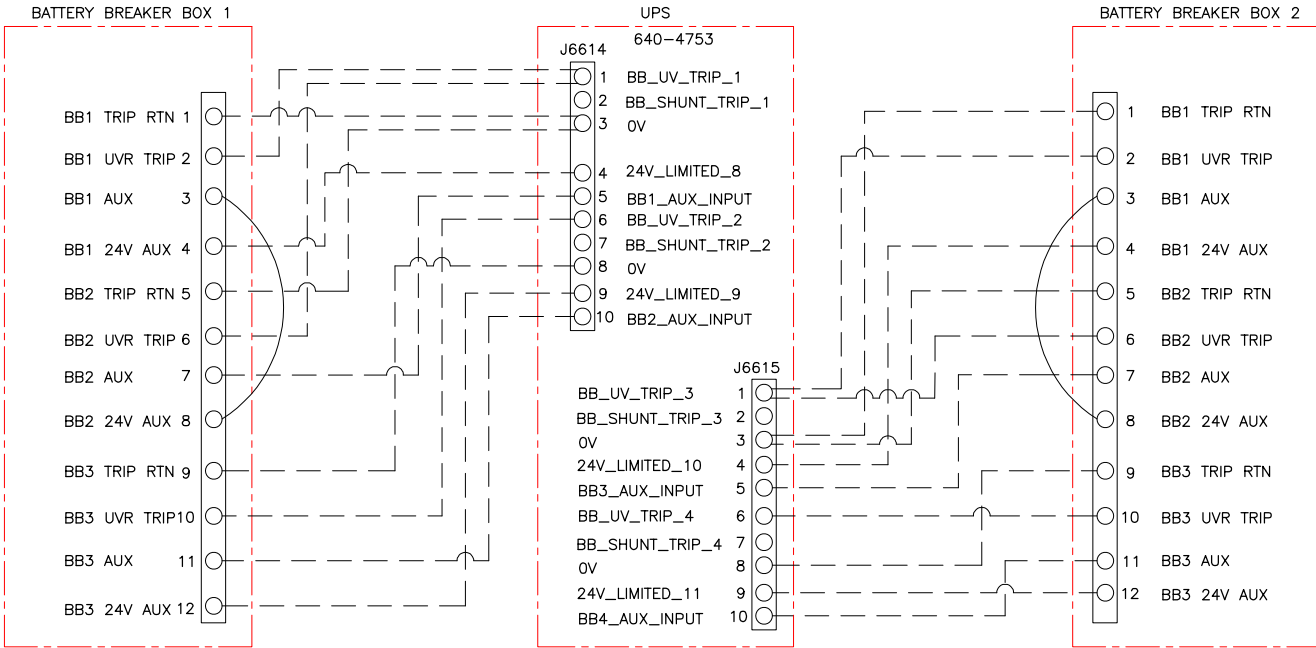
TITLE: Galaxy VXL UPS
500kW Scalable up to 1250kW
Input: 380/400/415V AC 40-70Hz 3PH
Output: 380/400/415V AC 50/60Hz
UPS-BATTERY SYSTEM WIRING DIAGRAM
PROJECT: DRAWINGS SHEET 1 OF 7

DWG NO: GVXL500-1250KHS-WD
DRAWN: ASHISH/JAYAPRAKASH
ENGINEER: ChenLei BAO
APPROVED: Jerry LIU
REV. 1
04-NOV-24
04-NOV-24
04-NOV-24
ANGLE PROJECTION
N/A

INTERFACE CONNECTION FOR 1 BATTERY BREAKER BOX WITH 3 CB PER UNIT
(BBB: GVBBB630EL-3CB/BBK: (GVBBK630EL, QTY-3)



INTERFACE CONNECTION FOR 2 BATTERY BREAKER BOX WITH 3 CB PER UNIT
(BBB: GVBBB630EL-3CB/BBK: (GVBBK630EL, QTY-6)



- NOTE:-
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
 2. REFER TO PRODUCT INSTALLATION DOCUMENTATION FOR SITE PREPARATIONS.
 3. FOR LATEST BOARD PART NUMBERS CONTACT SCHNEIDER ELECTRIC.
 4. ----- = CABLES PROVIDED BY OTHERS.
 5. FOR Li-Ion BATTERY INTERFACE DETAILS REFER TO SKU# LIBSESMG16IEC AND LIBSESMG17IEC.
 6. ROUTE THE SELV/Class2 AND NON-SELV/non-Class2 CABLES SEPARATELY.

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Schneider Electric

TITLE: Galaxy VXL UPS
500kW Scalable up to 1250kW
Input: 380/400/415V AC 40-70Hz 3PH
Output: 380/400/415V AC 50/60Hz
UPS-BATTERY SYSTEM WIRING DIAGRAM

PROJECT: DRAWINGS SHEET 2 OF 7

DWG NO: GVXL500-1250KHS-WD

DRAWN: ASHISH/JAYAPRAKASH 03-SEP-24

ENGINEER: ChenLei BAO 29-SEP-24

APPROVED: Jerry LIU 29-SEP-24

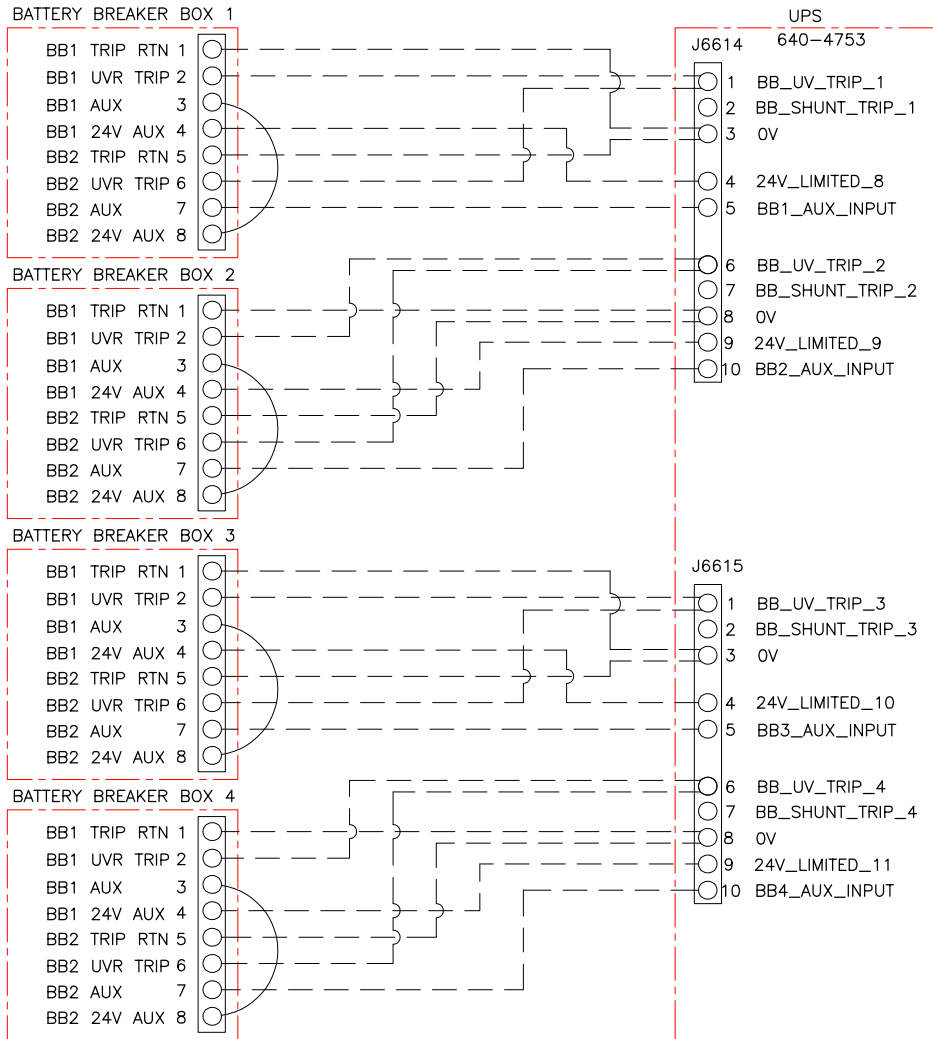
REV: 0

ANGLE

PROJECTION

N/A

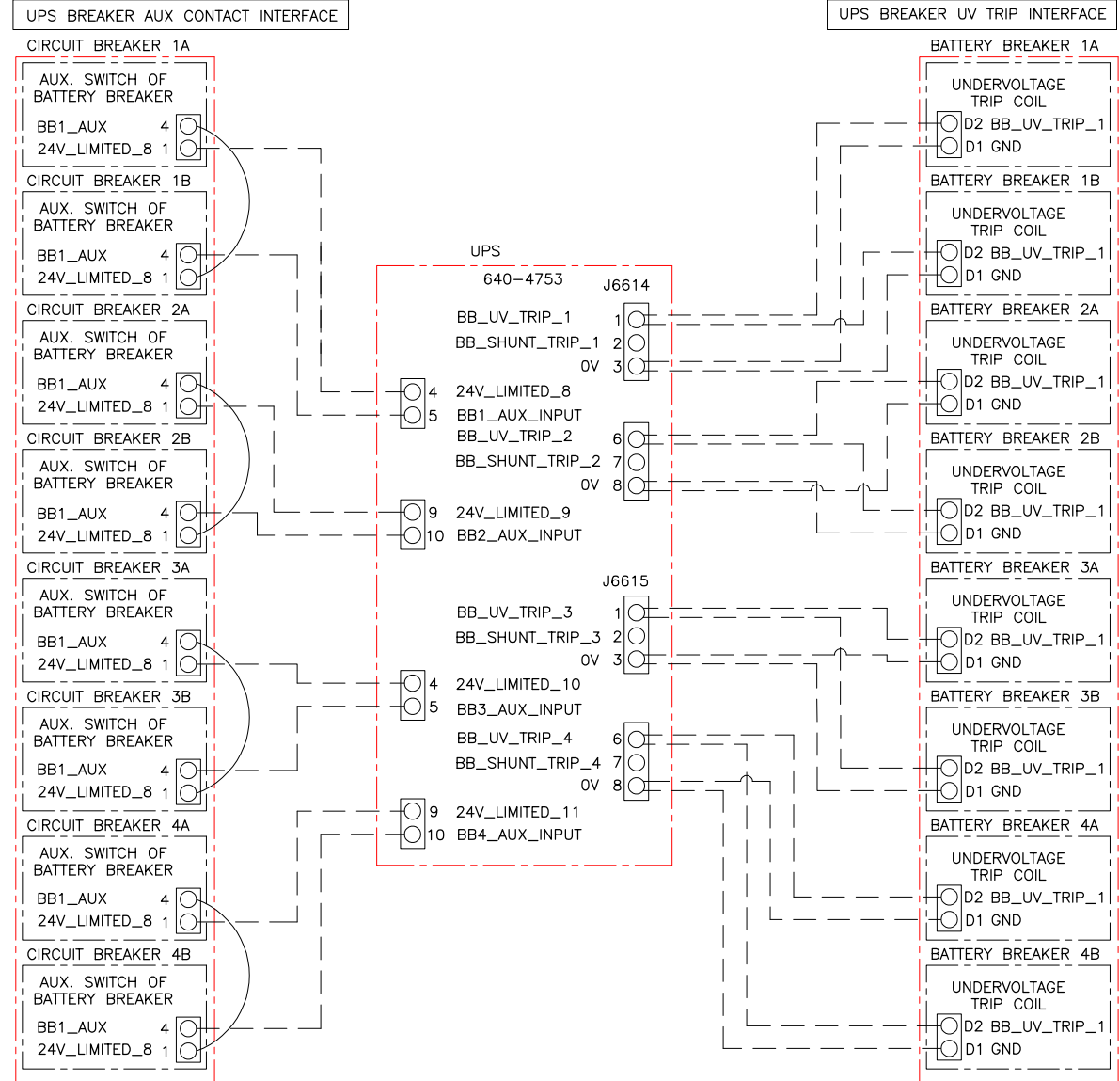
INTERFACE CONNECTION FOR 4 BATTERY BREAKER BOX WITH 2 CB PER UNIT
(BBB: GVBBB630EL-2CB/BBK: (GVBBK630EL, QTY-8)



NOTE:-

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT INSTALLATION DOCUMENTATION FOR SITE PREPARATIONS.
3. FOR LATEST BOARD PART NUMBERS CONTACT SCHNEIDER ELECTRIC.
4. ----- = CABLES PROVIDED BY OTHERS.
5. FOR Li-Ion BATTERY INTERFACE DETAILS REFER TO SKU# LIBSESMG16IEC AND LIBSESMG17IEC.
6. ROUTE THE SELV/Class2 AND NON-SELV/non-Class2 CABLES SEPARATELY.

INTERFACE CONNECTION FOR 8 BATTERY BREAKER BOX WITH 1 CB PER UNIT
(BBB: GVBBB630EL-1CB/BBK: (GVBBK630EL, QTY-8)



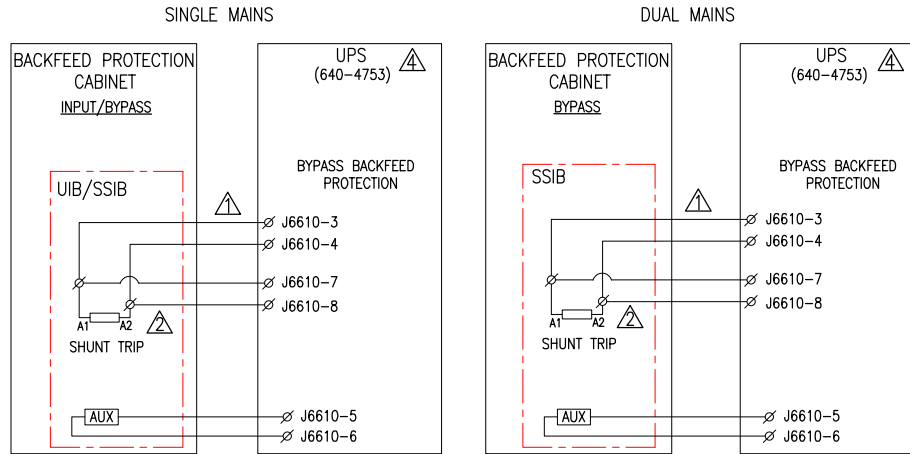
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Schneider Electric

TITLE: Galaxy VXL UPS
500kW Scalable up to 1250kW
Input: 380/400/415V AC 40-70Hz 3PH
Output: 380/400/415V AC 50/60Hz
UPS-BATTERY SYSTEM WIRING DIAGRAM
PROJECT: DRAWINGS SHEET 3 OF 7

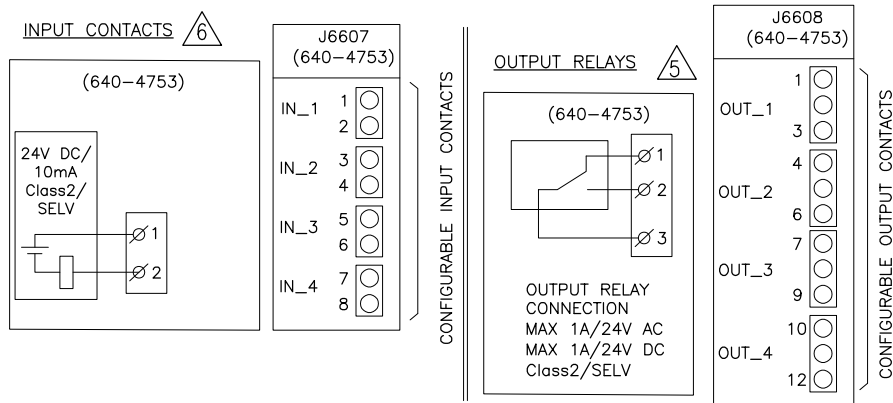
DWG NO: GVXL500-1250KHS-WD REV. 0
DRAWN: ASHISH/JAYAPRAKASH 03-SEP-24 ANGLE PROJECTION
ENGINEER: ChenLei BAO 29-SEP-24 N/A
APPROVED: Jerry LIU 29-SEP-24

UPS AND BACKFEED PROTECTION (GVXLOPT001)



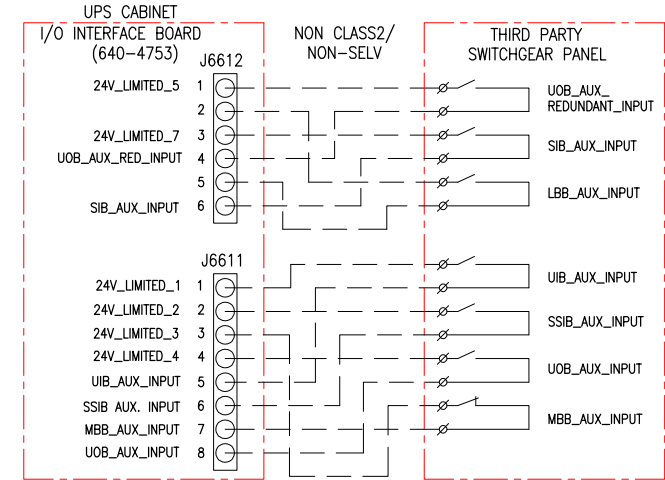
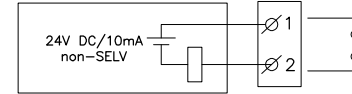
- NOTES:
- USE DOUBLE INSULATED CABLES TO CONNECT BREAKER SHUNT TRIP AND AUX SWITCH TO THE UPS.
 - BREAKER SHUNT TRIP MUST BE RATED FOR 24V DC NOMINAL, INRUSH MAX 200W.
 - RISK OF VOLTAGE BACKFEED. BEFORE WORKING ON THIS CIRCUIT: ISOLATE THE UPS AND CHECK FOR HAZARDOUS VOLTAGE BETWEEN ALL TERMINALS INCLUDING THE PROTECTIVE EARTH.
 - UPS INPUT HAS BUILT-IN BACKFEED RELAY.

EQUIPMENT TO INPUT CONTACTS AND OUTPUT RELAYS (IN UPS)

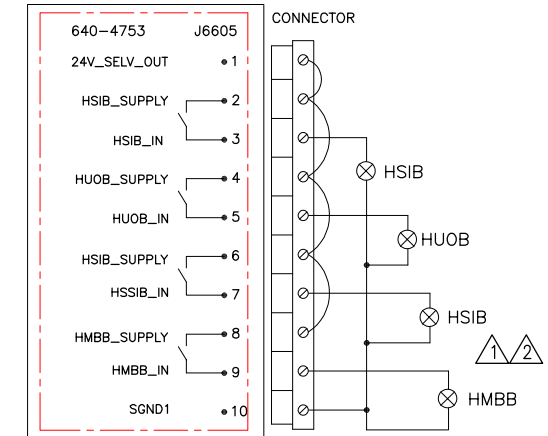


- NOTES:
- INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
 - REFER TO PRODUCT INSTALLATION DOCUMENTATION FOR SITE PREPARATIONS.
 - FOR LATEST VERSION OF BOARD PART NUMBERS CONTACT SCHNEIDER ELECTRIC.
 - ALL CIRCUITS CONNECTED MUST HAVE THE SAME OV REFERENCE.
 - MAX 24V AC/ 24V DC 1A MUST BE CONNECTED TO THE OUTPUT RELAYS.
 - ALL EXTERNAL CIRCUITRY MUST BE FUSED WITH MAXIMUM 1 A FAST ACTING FUSES.
 - DO NOT CONNECT ANY CIRCUIT TO THE INPUT CONTACTS UNLESS IT CAN BE CONFIRMED THAT THE CIRCUIT IS CLASS 2. ALL CIRCUITS CONNECTED MUST HAVE THE SAME OV REFERENCE.
 - ROUTE THE SELV/Class2 AND NON-SELV/non-Class2 CABLES SEPARATELY.

INTERFACE UPS(640-4753) TO THIRD PARTY SWITCHGEAR



GALAXY VXL UPS (SELV/CLASS2)



- NOTES:
- CONNECT SIGNAL CABLES FROM THE BREAKER INDICATOR LIGHTS IN YOUR SWITCHGEAR TO TERMINAL J6605 IN THE UPS.
 - THE BREAKER INDICATOR LIGHT CIRCUIT IS CONSIDERED CLASS 2/ SELV. THIS CIRCUIT MUST BE ISOLATED FROM PRIMARY CIRCUITRY. DO NOT CONNECT ANY CIRCUIT TO THE BREAKER INDICATOR LIGHT TERMINALS UNLESS IT CAN BE CONFIRMED THAT THE CIRCUIT IS CLASS 2/SELV.
 - INTERFACE CABLES BETWEEN UPS AND 3RD PARTY SWITCHGEAR PROVIDED BY OTHERS.

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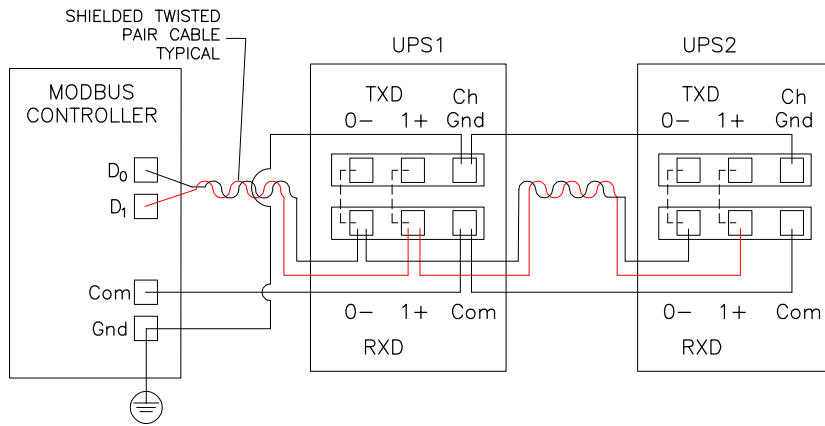
Schneider Electric

TITLE: Galaxy VXL UPS
500kW Scalable up to 1250kW
Input: 380/400/415V AC 40-70Hz 3Ph
Output: 380/400/415V AC 50/60Hz
UPS -I/O SYSTEM WIRING DIAGRAM
PROJECT: DRAWINGS **SHEET 4 OF 7**

DWG NO: GVXL500-1250KHS-WD
DRAWN: TRASSIA
ENGINEER: ChenLei BAO
APPROVED: Jerry LIU

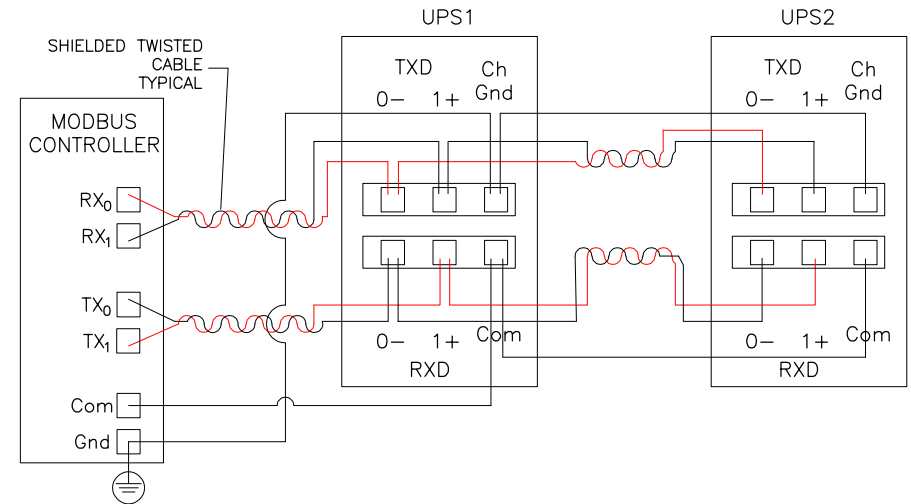
REV. 3
18-NOV-25
20-NOV-25
20-NOV-25
ANGLE PROJECTION
N/A

2-WIRE CONNECTION WITH TWO UPS



MODBUS INTERFACE DETAILS

4-WIRE CONNECTION WITH TWO UPS



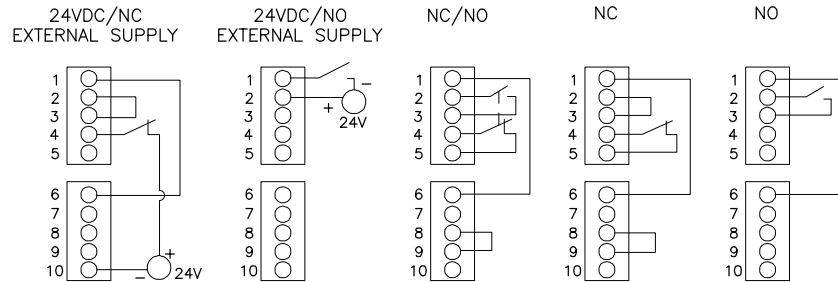
NOTES:

1. ALL MODBUS SIGNAL CABLES SHALL BE DOUBLE INSULATED/ JACKET CABLE AND MINIMUM RATED FOR 30V DC.
2. SHIELDED TWISTED PAIR CABLES MUST BE USED FOR MODBUS CONNECTIONS. THE SHIELD CONNECTION TO THE GROUND MUST BE AS SHORT AS POSSIBLE (IDEALLY BELOW 1CM). THE CABLE SHIELD MUST BE CONNECTED TO THE Ch Gnd PIN ON EACH DEVICE.
3. ROUTE SIGNAL CABLES SEPARATELY FROM POWER CABLES TO ENSURE SUFFICIENT ISOLATION.
4. THE MODBUS PORT IS GALVANICALLY ISOLATED WITH THE Com PIN AS GROUND REFERENCE.
5. INSTALL 150 Ohm TERMINATION RESISTORS AT EACH END OF EACH BUS IF THE BUSES ARE VERY LONG AND OPERATE AT HIGH DATA RATES. BUSES UNDER 610 METERS (2000 FEET) AT 9600 BAUD OR UNDER 305 METERS (1000 FEET) AT 19200 BAUD SHOULD NOT REQUIRE TERMINATION RESISTORS.

EMERGENCY POWER OFF (EPO) CONFIGURATIONS (IN UPS) ⚠

J6609, 1-10 (640-4753)

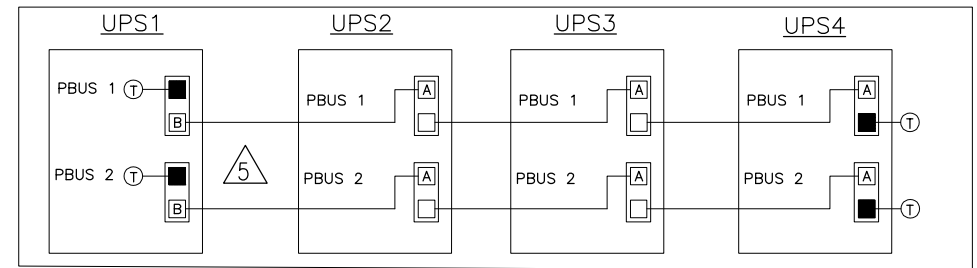
(CONNECT CLASS-2/SELV SIGNAL CABLES FROM THE BUILDING EPO TO J6609)



NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT INSTALLATION DOCUMENTATION FOR SITE PREPARATIONS.
3. FOR LATEST VERSION OF BOARD PART NUMBERS CONTACT SCHNEIDER ELECTRIC.
4. ALL CIRCUITS CONNECTED MUST HAVE THE SAME OV REFERENCE.
5. OPTIONAL(SKU# GVSOPT006) CAT5 PBUS CABLES 82 FEET(25 METERS), SHALL BE INSTALLED IN SEPARATE CONDUITS.
6. DO NOT CONNECT ANY CIRCUIT TO THE EPO TERMINAL BLOCK UNLESS IT CAN BE CONFIRMED THAT THE CIRCUIT IS CLASS2/SELV. EPO INPUT SUPPORTS 24V DC.
7. ROUTE THE SELV/Class2 AND NON-SELV/non-Class2 CABLES SEPARATELY.

PBUS CONNECTIONS



NOTES:

1. ALL PBUS CABLES SHALL BE DOUBLE INSULATED CABLES AND MINIMUM RATED FOR 30V DC. IT IS RECOMMENDED TO USE THE PBUS CABLES PROVIDED BY SCHNEIDER ELECTRIC.
2. CONNECT THE PROVIDED PBUS 1 (White) AND PBUS 2 (Red) CABLES TO THE PBUS PORTS ON THE UPSs. MOUNT TERMINATION PLUGS (T) IN THE UNUSED CONNECTORS.

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Schneider Electric

TITLE:

Galaxy VXL UPS
500kW Scalable up to 1250kW
Input: 380/400/415V AC 40-70Hz 3PH
Output: 380/400/415V AC 50/60Hz
PBUS/ModBus SYSTEM WIRING DIAGRAM

PROJECT: DRAWINGS | SHEET 5 OF 7

DWG NO:

GVXL500-1250KHS-WD

DRAWN: ASHISH/JAYAPRAKASH

ENGINEER: ChenLei BAO

APPROVED: Jerry LIU

REV.

0

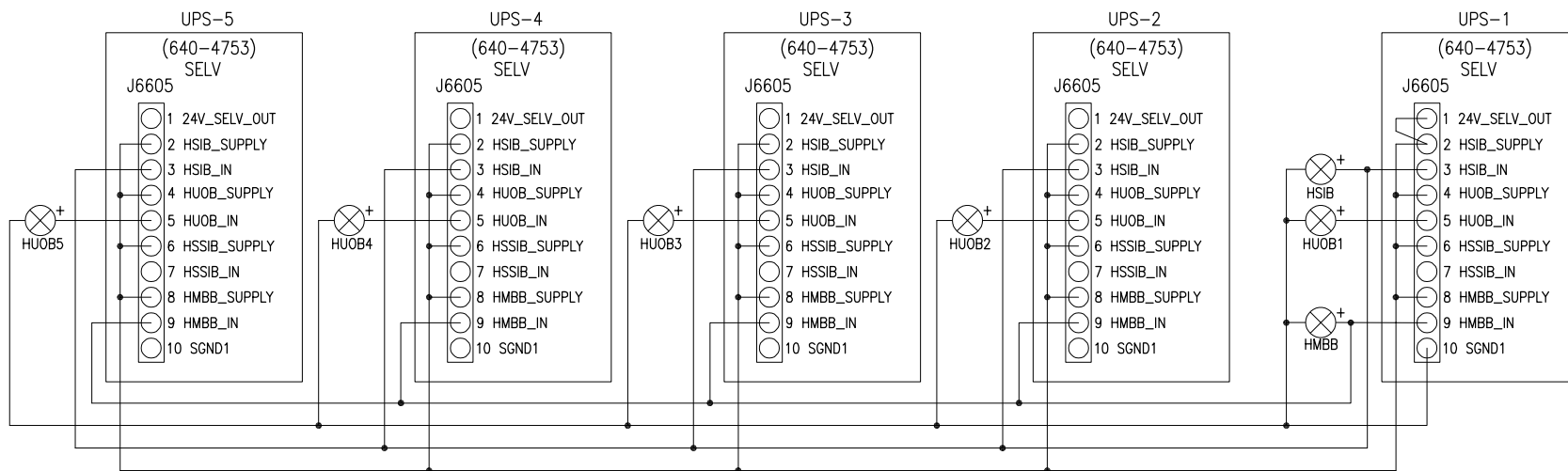
03-SEP-24

29-SEP-24

29-SEP-24

N/A

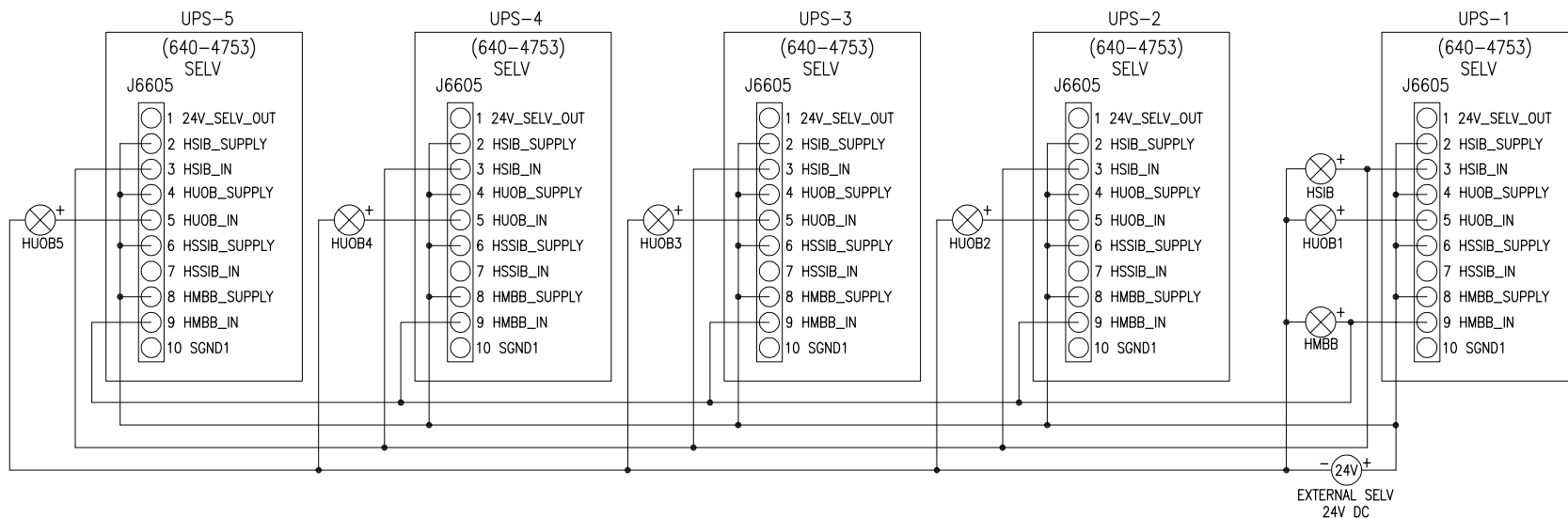
4+1 UPSs IN PARALLEL (EXTERNAL SWITCHGEAR INDICATION LAMPS) WITH INTERNAL 24V DC



NOTES:

1.INTERFACE CABLES ARE PROVIDED BY OTHERS.

4+1 UPSs IN PARALLEL (EXTERNAL SWITCHGEAR INDICATION LAMPS) WITH EXTERNAL SELV 24V DC



NOTES:

1.INTERFACE CABLES ARE PROVIDED BY OTHERS.

NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT INSTALLATION DOCUMENTATION FOR SITE PREPARATIONS.

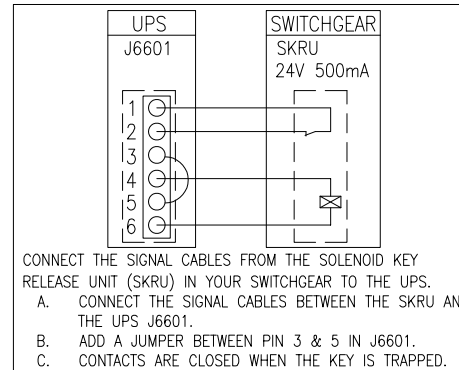
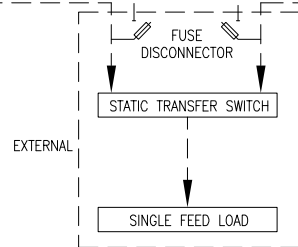
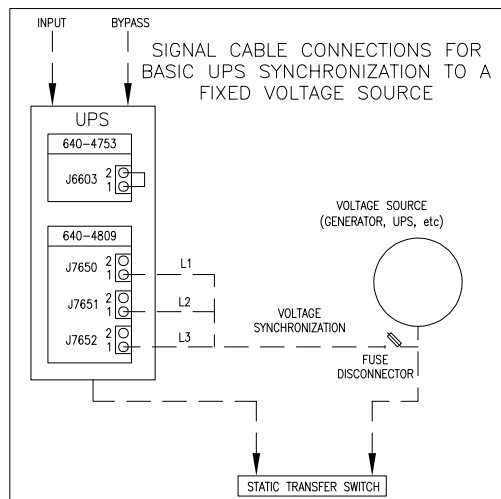
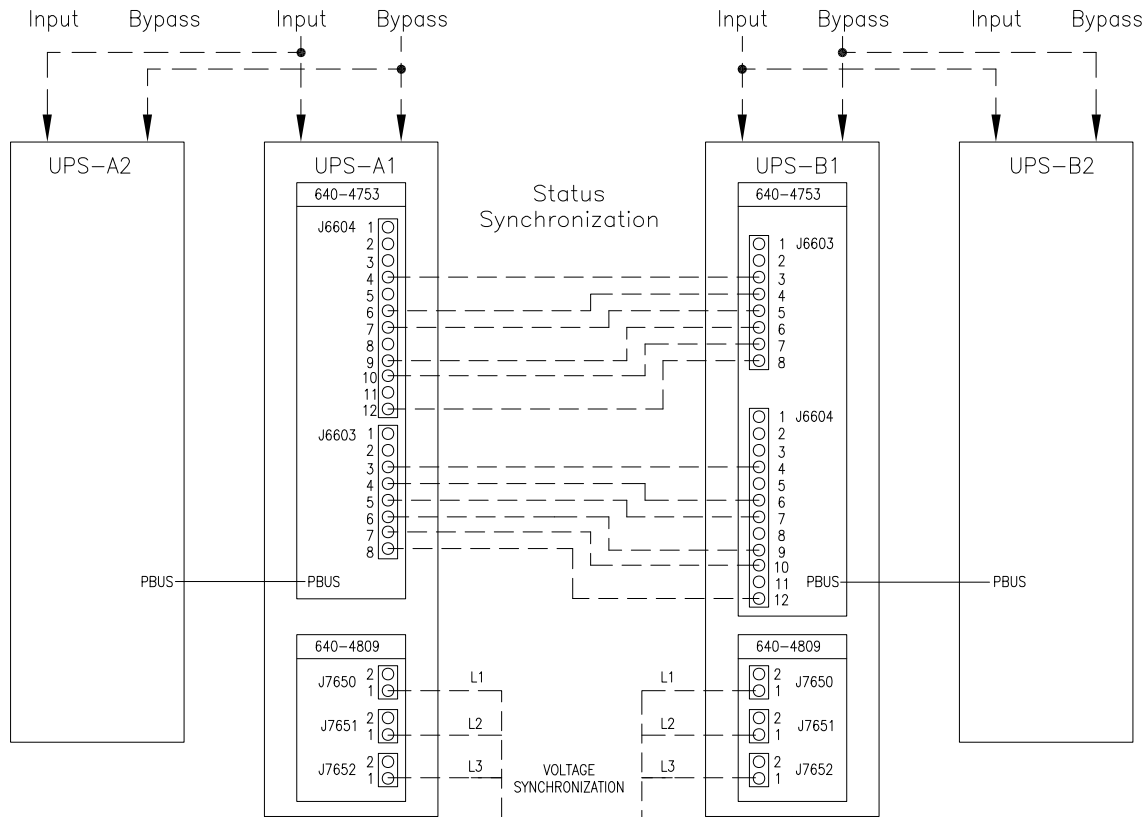
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Schneider Electric

TITLE: Galaxy VXL UPS
500kW Scalable up to 1250kW
Input: 380/400/415V AC 40-70Hz 3PH
Output: 380/400/415V AC 50/60Hz
PARALLEL UPS- EXT SWGR. SYSTEM WIRING DIAGRAM
PROJECT: DRAWINGS **SHEET** 6 OF 7

DWG NO: GVXL500-1250KHS-WD	REV: 0
DRAWN: TRASSIA	18-NOV-25
ENGINEER: ChenLei BAO	20-NOV-25
APPROVED: Jerry LIU	20-NOV-25
ANGLE	PROJECTION
N/A	N/A

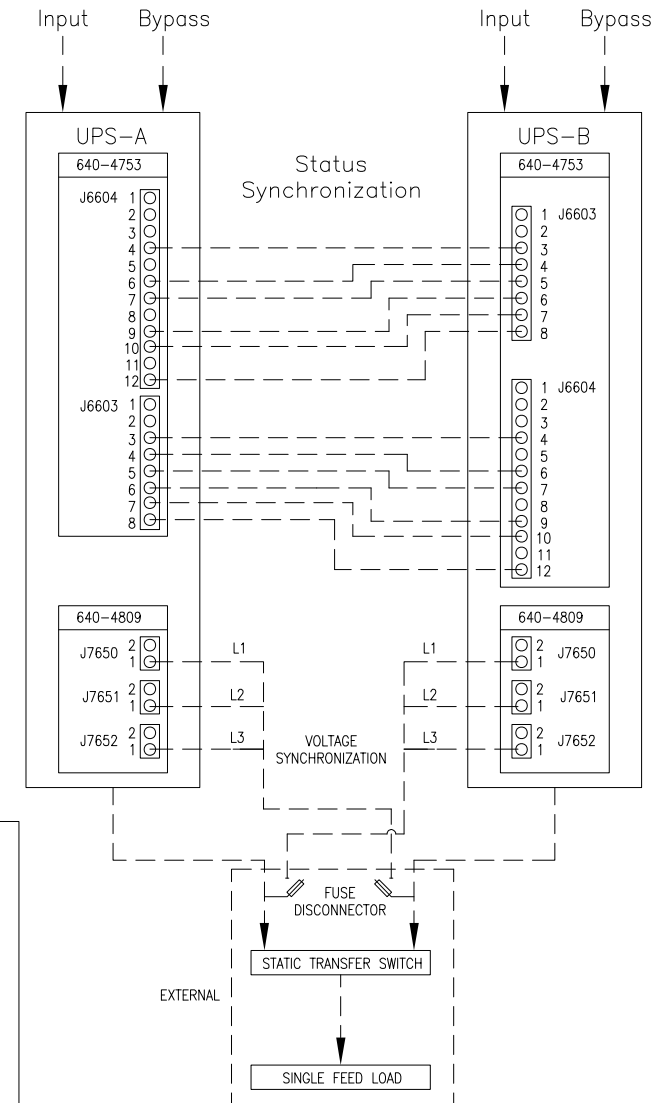
SIGNAL CABLE CONNECTIONS FOR ADVANCED DUAL UPS SYNCHRONIZATION IN A PARALLEL UPS SYSTEM WITH FIXED SYNC MASTER



NOTES:

1. INSTALLATION MUST COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL ELECTRICAL REGULATIONS.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. FOR LATEST REVISION OF BOARD PART NUMBERS CONTACT SCHNEIDER ELECTRIC.
4. ----- = INTERFACE CABLES PROVIDED BY OTHERS.

SIGNAL CABLE CONNECTIONS FOR ADVANCED DUAL UPS SYNCHRONIZATION



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Schneider Electric

TITLE: Galaxy VXL UPS
500kW Scalable up to 1250kW
Input: 380/400/415V AC 40-70Hz 3PH
Output: 380/400/415V AC 50/60Hz
UPS SYNCHRONIZATION, SYSTEM WIRING DIAGRAM
PROJECT: DRAWINGS SHEET 7 OF 7

DWG NO: GVXL500-1250KHS-WD
DRAWN: TRASSIA
ENGINEER: ChenLei BAO
APPROVED: Jerry LIU

REV. 2
11-JUL-25
11-JUL-25
11-JUL-25
ANGLE PROJECTION
N/A