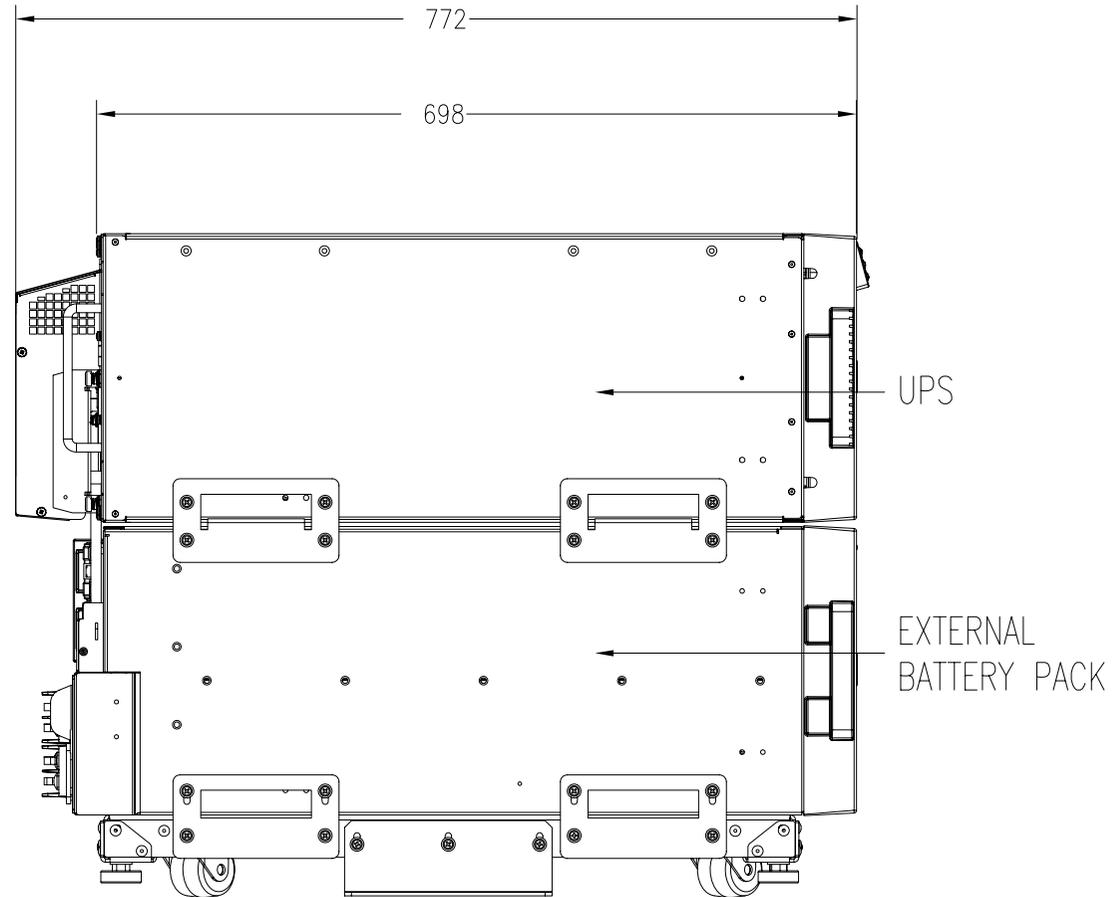
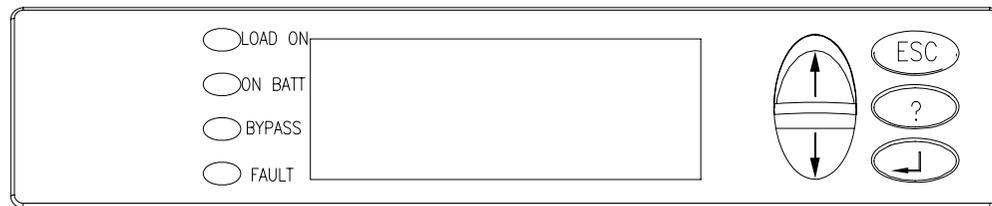


FRONT VIEW



SIDE VIEW



CONTROL PANEL
(ENLARGED VIEW)

NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE LOCAL AND NATIONAL CODES.
2. PLEASE REFER TO PRODUCT MANUALS FOR ADDITIONAL DETAILS.
3. ALL DIMENSIONS ARE IN MILLIMETERS.
4. UPS WEIGHT 66kg.
BATTERY PACK WEIGHT WITH 8 BATTERY MODULES 181kg.
BATTERY PACK WEIGHT WITHOUT BATTERY MODULES 44kg.
EACH BATTERY MODULE WEIGHT 17kg.
TOTAL WEIGHT OF THE UNIT 247kg
OPTIONAL UTILITY CART SURT013 ADDS A FURTHER 15KG TO THE TOTAL WEIGHT WHEN USED.
5. CABLE ENTRY IS FROM REAR SIDE OF THE UNIT.
- △6. UTILITY CART CAN BE ORDERED SEPARATELY AS SURT013 SKU NUMBER
7. THIS DRAWING PROVIDES INFORMATION FOR 15kVA AND 20kVA SURT PRODUCT
8. THE MAXIMUM SINGLE STACKABLE CONFIGURATION IS AN ADDITIONAL XLBP BATTERY PACK PLUS THE UPS AND ITS ASSOCIATED BATTERY PACK.

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF AMERICAN POWER CONVERSION AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM APC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

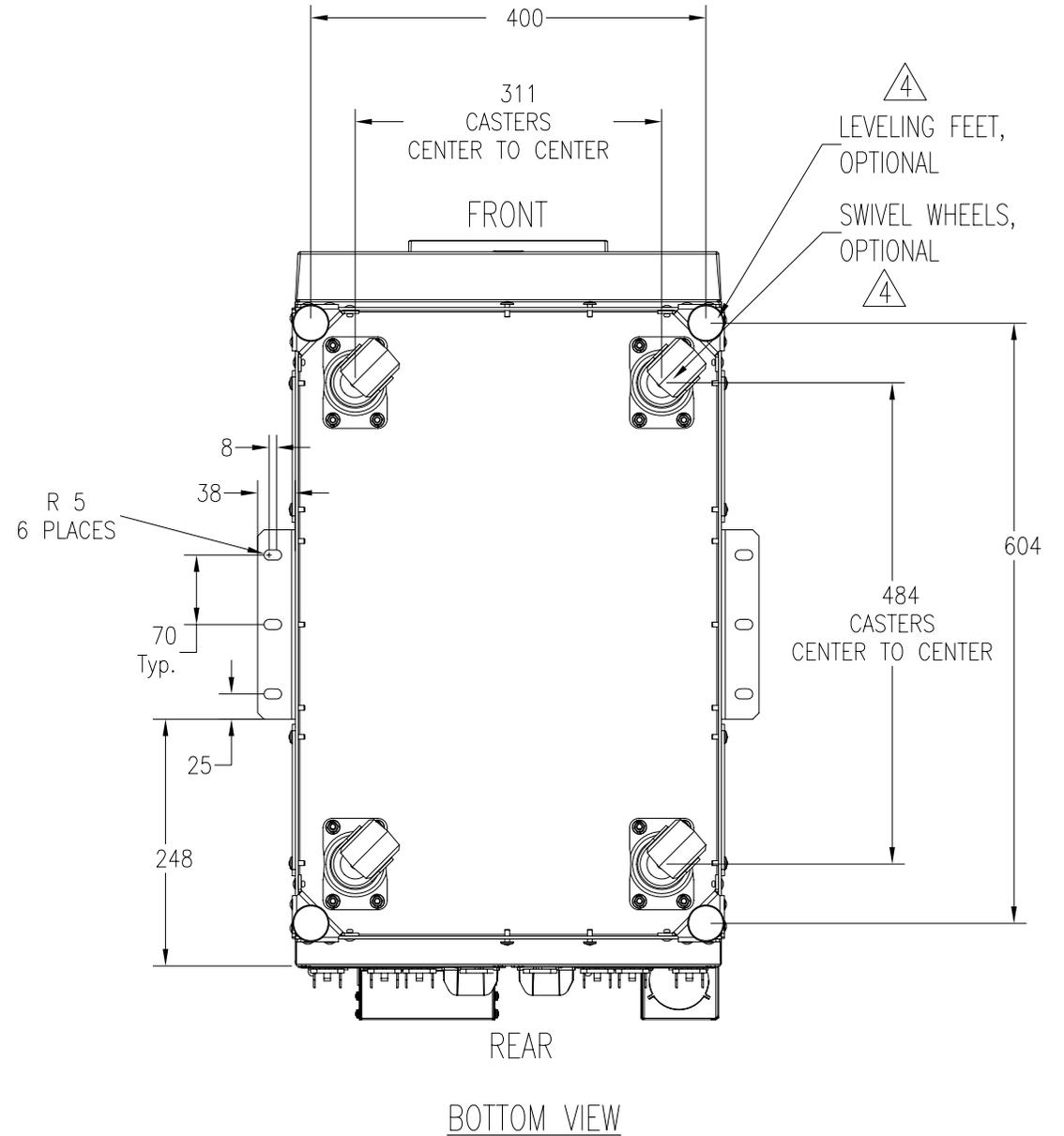
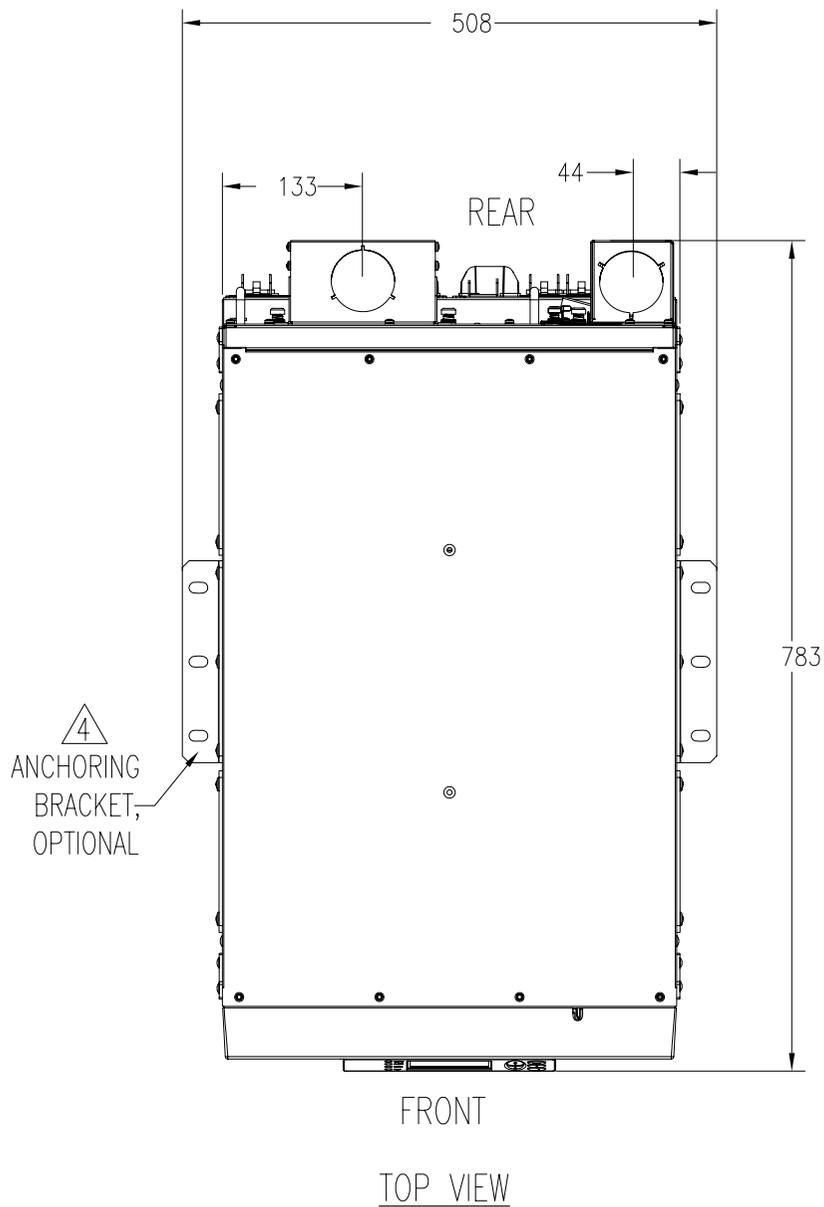


TITLE: Smart-UPS On-Line
INPUT: 220/230/240VAC (1PH+N+G), 50/60Hz 1PH
or 380/400/415VAC (3PH+N+G), 50/60Hz 3PH
OUTPUT: 220/230/240VAC (1PH+N+G), 50/60Hz 1PH
or 380/400/415VAC (3PH+N+G), 50/60Hz 3PH
MAIN - MECHANICAL

PROJECT: SUBMITTAL DRAWINGS SHEET 1 OF 6

DWG NO: SURT15-20KRMXLI
DRAWN: C KRISHNA
ENGINEER: E.KOTLYAR
APPROVED: N.WHITING/J.PRECOPIO

REV. 0
20-OCT-09
20-OCT-09
20-OCT-09
FIRST ANGLE PROJECTION



NOTES:

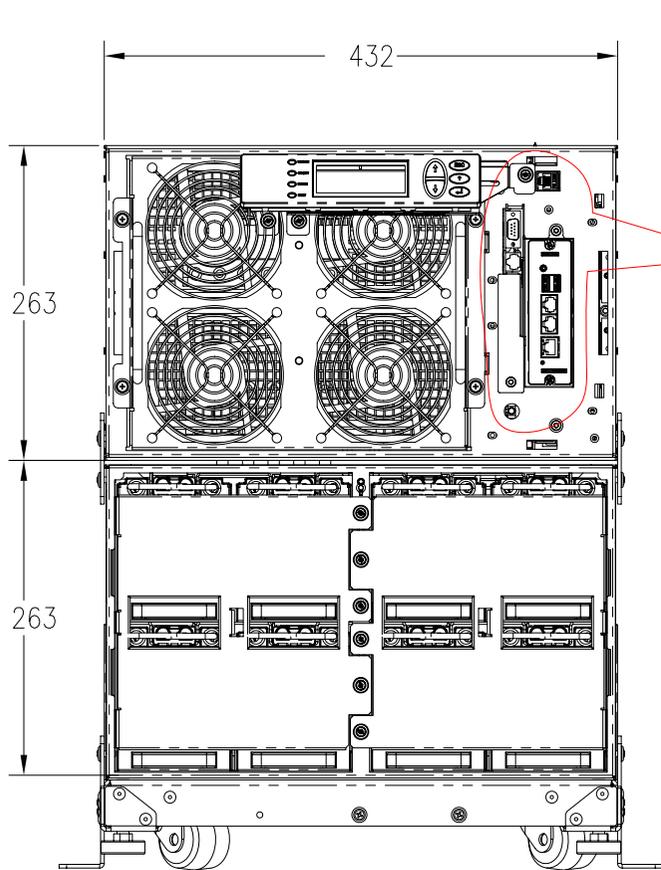
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE LOCAL AND NATIONAL CODES.
2. PLEASE REFER TO PRODUCT MANUALS FOR ADDITIONAL DETAILS.
3. ALL DIMENSIONS ARE IN MILLIMETERS.
- △4. ANCHORING BRACKET, SWIVEL WHEELS AND LEVELING FEET CAN BE ORDERED SEPARATELY AS PART OF SURTO13 UTILITY CART

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF AMERICAN POWER CONVERSION AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM APC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

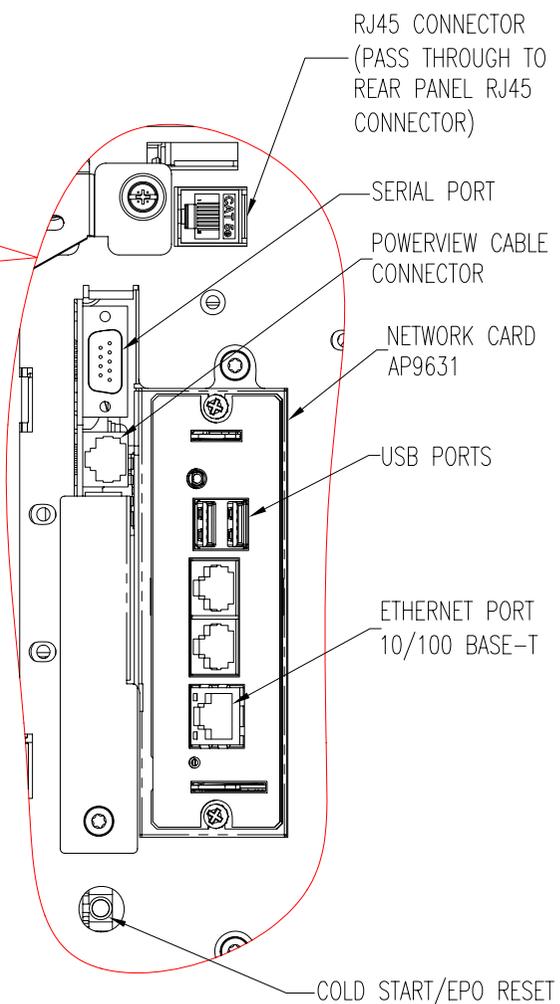


TITLE: Smart-UPS On-Line
 INPUT: 220/230/240VAC (1PH+N+G), 50/60Hz 1PH
 or 380/400/415VAC (3PH+N+G), 50/60Hz 3PH
 OUTPUT: 220/230/240VAC (1PH+N+G), 50/60Hz 1PH
 or 380/400/415VAC (3PH+N+G), 50/60Hz 3PH
 TOP AND BOTTOM VIEWS

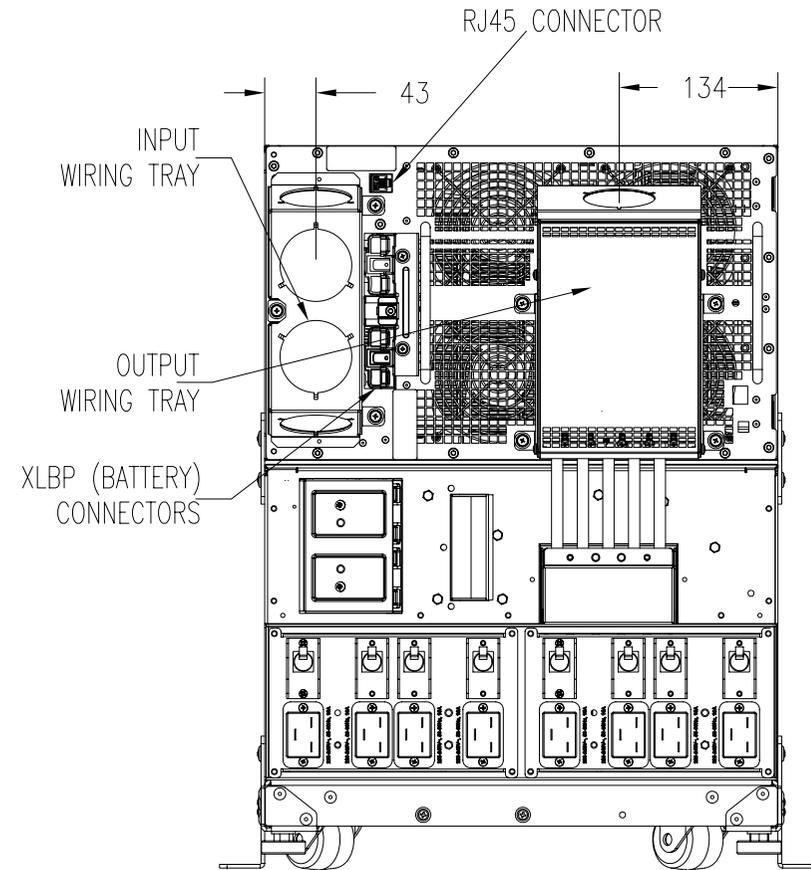
DWG NO:	SURT15-20KRMXLI	REV:	0
DRAWN:	C KRISHNA	20-OCT-09	FIRST ANGLE PROJECTION
ENGINEER:	E.KOTLYAR	20-OCT-09	
APPROVED:	N.WHITING/J.PRECOPIO	20-OCT-09	



FRONT VIEW
(BEZELS REMOVED)



INTERFACE
ENLARGED VIEW



REAR VIEW

NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE LOCAL AND NATIONAL CODES.
2. PLEASE REFER TO PRODUCT MANUALS FOR ADDITIONAL DETAILS.
3. ALL DIMENSIONS ARE IN MILLIMETERS.
4. ANCHORING BRACKET, SWIVEL WHEELS AND LEVELING FEET CAN BE ORDERED SEPARATELY AS PART OF SURT013 UTILITY CART

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF AMERICAN POWER CONVERSION AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM APC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

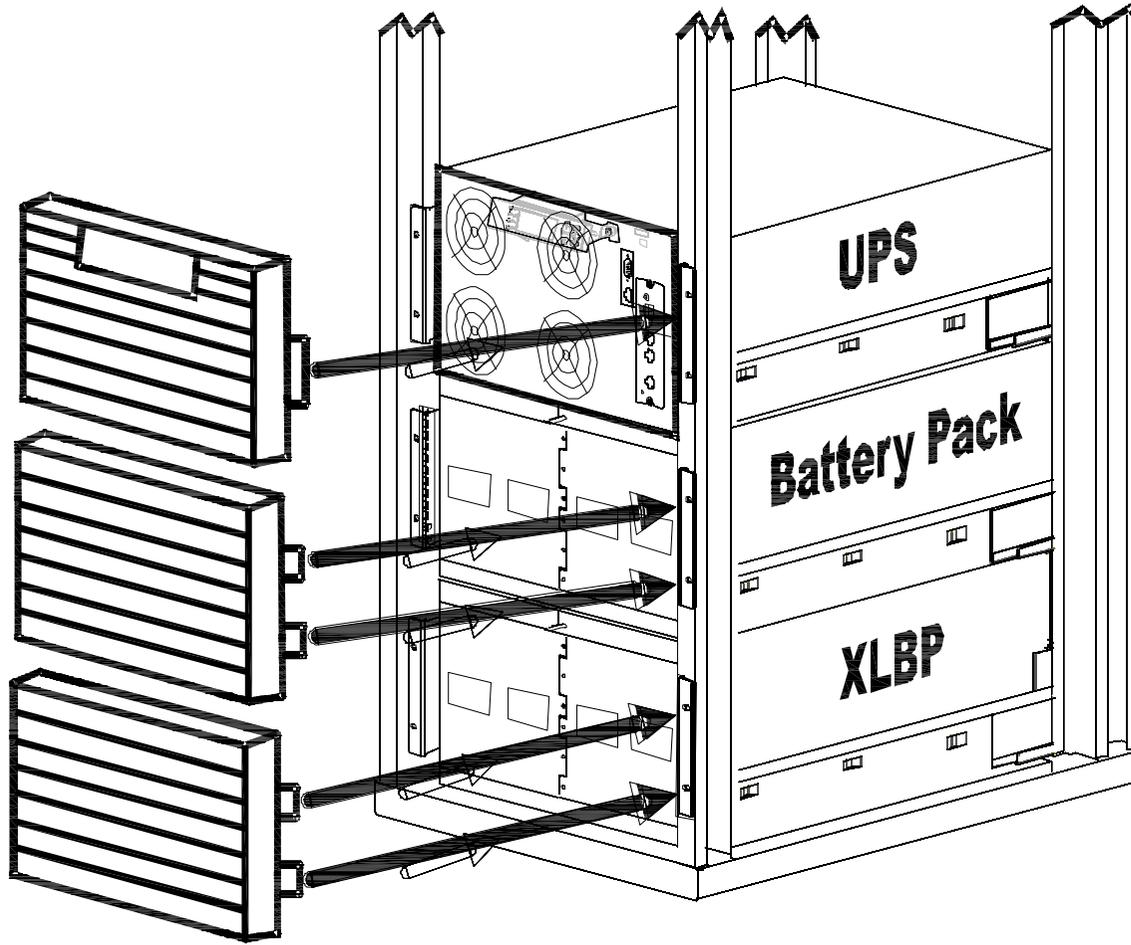


TITLE: Smart-UPS On-Line
 INPUT: 220/230/240VAC (1PH+N+G), 50/60Hz 1PH
 or 380/400/415VAC (3PH+N+G), 50/60Hz 3PH
 OUTPUT: 220/230/240VAC (1PH+N+G), 50/60Hz 1PH
 or 380/400/415VAC (3PH+N+G), 50/60Hz 3PH
 INTERNAL VIEWS

PROJECT: SUBMITTAL DRAWINGS SHEET 3 OF 6

DWG NO:	SURT15-20KRMXLI	REV:	0
DRAWN:	C KRISHNA	DATE:	20-OCT-09
ENGINEER:	E.KOTLYAR	DATE:	20-OCT-09
APPROVED:	N.WHITING/J.PRECOPIO	DATE:	20-OCT-09

FIRST ANGLE PROJECTION



ISOMETRIC VIEW

NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE LOCAL AND NATIONAL CODES.
2. PLEASE REFER TO PRODUCT MANUALS FOR ADDITIONAL DETAILS.
3. ALL DIMENSIONS ARE IN MILLIMETERS.
4. MAXIMUM NUMBER OF EXTERNAL BATTERY PACKS MUST NOT EXCEED 10.

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF AMERICAN POWER CONVERSION AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM APC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.



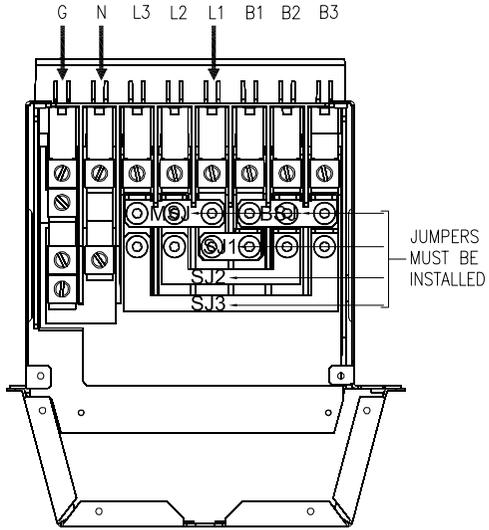
TITLE: Smart-UPS On-Line
 INPUT: 220/230/240VAC (1PH+N+G), 50/60Hz 1PH
 or 380/400/415VAC (3PH+N+G), 50/60Hz 3PH
 OUTPUT: 220/230/240VAC (1PH+N+G), 50/60Hz 1PH
 or 380/400/415VAC (3PH+N+G), 50/60Hz 3PH
 ISOMETRIC VIEW

PROJECT: SUBMITTAL DRAWINGS SHEET 4 OF 6

DWG NO:	SURT15-20KRMXLI	REV:	0
DRAWN:	C KRISHNA	20-OCT-09	FIRST ANGLE PROJECTION
ENGINEER:	E.KOTLYAR	20-OCT-09	
APPROVED:	N.WHITING/J.PRECOPIO	20-OCT-09	

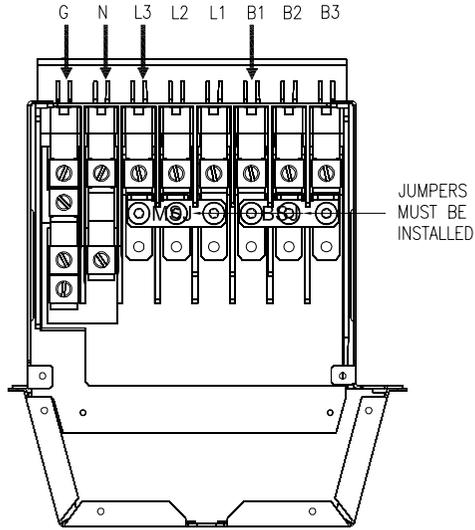
INPUT WIRING OPTION-1

SINGLE PHASE INPUT
SINGLE PHASE OUTPUT
SINGLE FEED



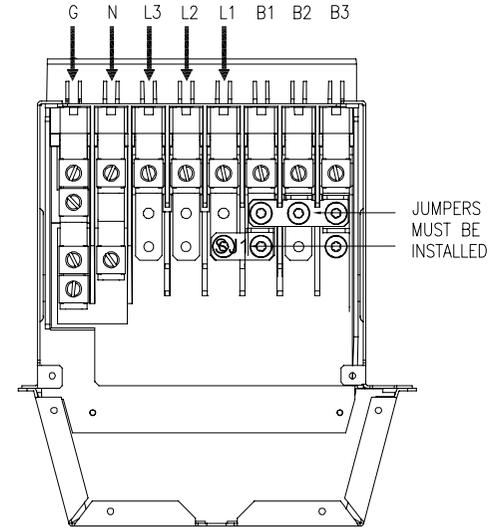
INPUT WIRING OPTION-2

SINGLE PHASE INPUT
SINGLE PHASE OUTPUT
DUAL FEED



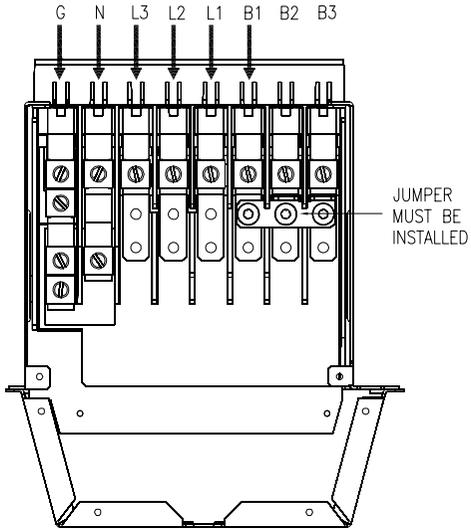
INPUT WIRING OPTION-3

THREE PHASE INPUT
SINGLE PHASE OUTPUT
SINGLE FEED



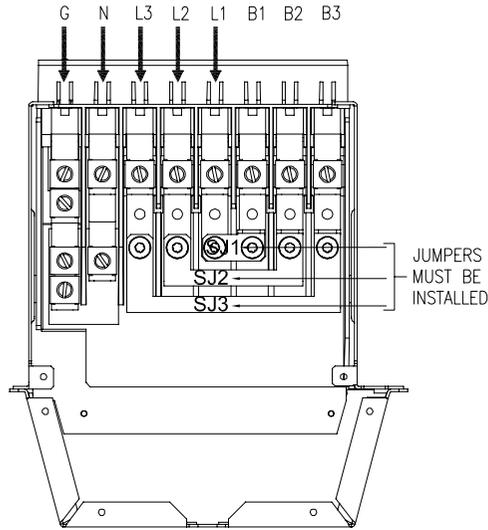
INPUT WIRING OPTION-4

THREE PHASE INPUT
SINGLE PHASE OUTPUT
DUAL FEED



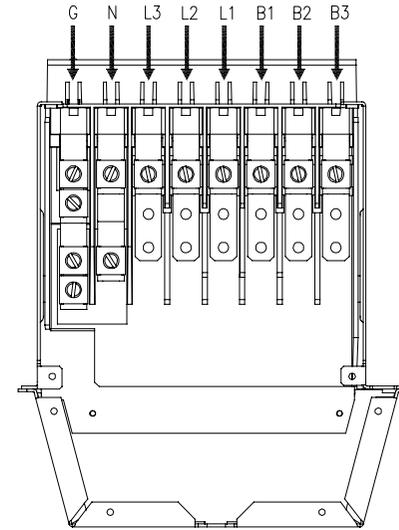
INPUT WIRING OPTION-5

THREE PHASE INPUT
THREE PHASE OUTPUT
SINGLE FEED



INPUT WIRING OPTION-6

THREE PHASE INPUT
THREE PHASE OUTPUT
DUAL FEED



NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE LOCAL AND NATIONAL CODES.
2. PLEASE REFER TO PRODUCT MANUALS FOR ADDITIONAL DETAILS.
3. ALL DIMENSIONS ARE IN MILLIMETERS.

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF AMERICAN POWER CONVERSION AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM APC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

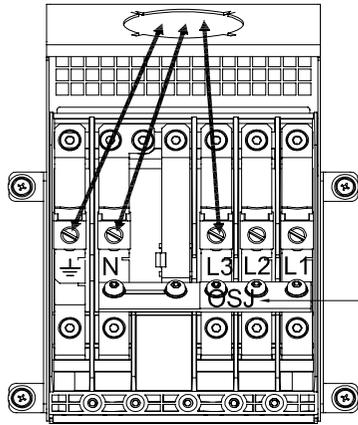


TITLE: Smart-UPS On-Line
INPUT: 220/230/240VAC (1PH+N+G), 50/60Hz 1PH
or 380/400/415VAC (3PH+N+G), 50/60Hz 3PH
OUTPUT: 220/230/240VAC (1PH+N+G), 50/60Hz 1PH
or 380/400/415VAC (3PH+N+G), 50/60Hz 3PH
INPUT WIRING OPTIONS
PROJECT: SUBMITTAL DRAWINGS SHEET 5 OF 6

DWG NO:	SURT15-20KRMXLI	REV:	0
DRAWN:	C KRISHNA	DATE:	20-OCT-09
ENGINEER:	E.KOTLYAR	DATE:	20-OCT-09
APPROVED:	N.WHITING/J.PRECOPIO	DATE:	20-OCT-09

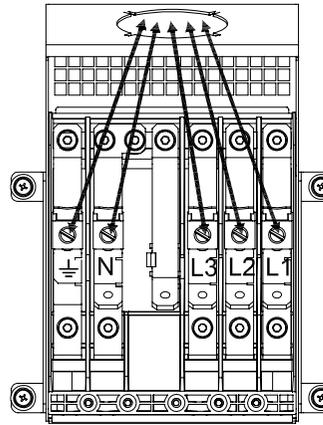
FIRST ANGLE PROJECTION

OUTPUT HARDWIRE OPTION-1
SINGLE PHASE HARDWIRE
OUTPUT CONNECTION

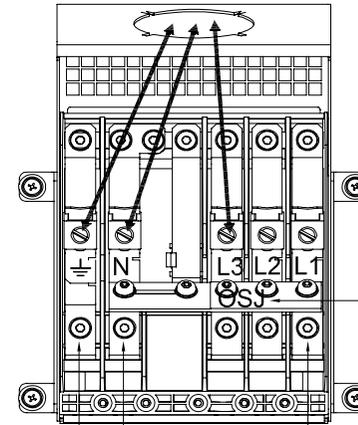


ENSURE THE (OSJ) IS SECURED TO THE OUTPUT WIRING TRAY USING THE FIVE SCREWS PROVIDED

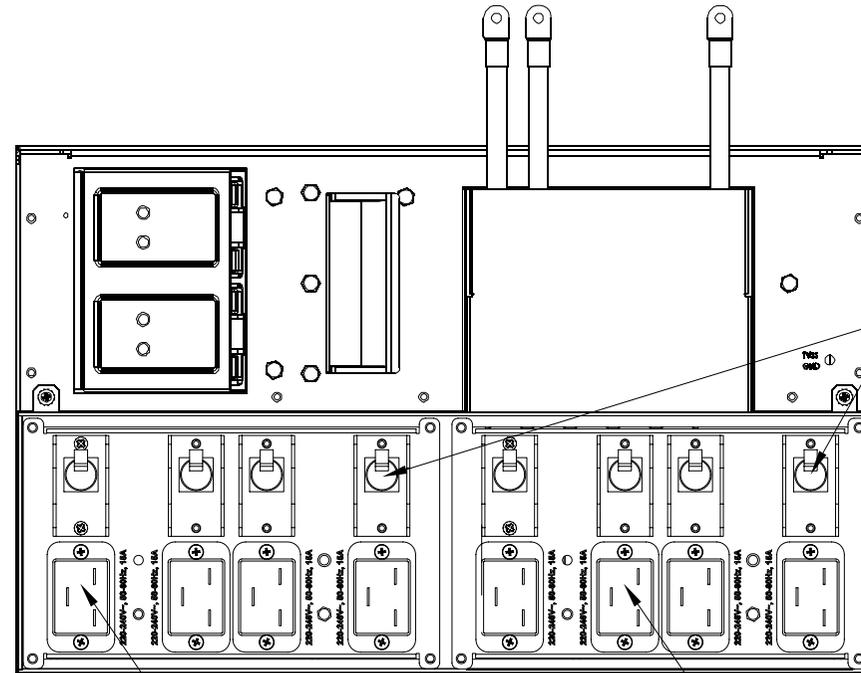
OUTPUT HARDWIRE OPTION-2
THREE PHASE HARDWIRE
OUTPUT CONNECTION XLBP PDU NOT CONNECTED
OUTPUT SHORTING JUMPER (OSJ) REMOVED



OUTPUT PDU OPTION
SINGLE PHASE OUTPUT
CONNECTION TO BATTERY PACK PDU



ENSURE THE (OSJ) IS SECURED TO THE OUTPUT WIRING TRAY USING THE FIVE SCREWS PROVIDED



PDU PANEL BREAKERS

IEC 320 C19

XLBP

IEC 320 C19

PDU PANEL ENLARGED VIEW

NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE LOCAL AND NATIONAL CODES.
2. PLEASE REFER TO PRODUCT MANUALS FOR ADDITIONAL DETAILS.
3. ALL DIMENSIONS ARE IN MILLIMETERS.

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF AMERICAN POWER CONVERSION AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM APC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.



TITLE: Smart-UPS On-Line
INPUT: 220/230/240VAC (1PH+N+G), 50/60Hz 1PH
or 380/400/415VAC (3PH+N+G), 50/60Hz 3PH
OUTPUT: 220/230/240VAC (1PH+N+G), 50/60Hz 1PH
or 380/400/415VAC (3PH+N+G), 50/60Hz 3PH
OUTPUT WIRING OPTIONS

PROJECT: SUBMITTAL DRAWINGS SHEET 6 OF 6

DWG NO:	SURT15-20KRMXLI	REV:	0
DRAWN:	C KRISHNA		20-OCT-09
ENGINEER:	E.KOTLYAR		20-OCT-09
APPROVED:	N.WHITING/J.PRECOPIO		20-OCT-09
			FIRST ANGLE PROJECTION