



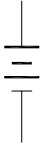


## Smart-UPS On-Line

Sheet No.	Component /Detail	Description
1	Draw ing Guide	APC Smart-UPS RT 15kVA RM 230V
2	Isometric View	APC Smart-UPS RT 15kVA RM 230V
3	Main Mechanical	APC Smart-UPS RT 15kVA RM 230V
4	Top and Bottom view s	APC Smart-UPS RT 15kVA RM 230V
5	Internal View s	APC Smart-UPS RT 15kVA RM 230V
6	Input w iring options	APC Smart-UPS RT 15kVA RM 230V
7	Output w iring options	APC Smart-UPS RT 15kVA RM 230V
8	System One Line Diagram	APC Smart-UPS RT 15kVA RM 230V

LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CIRCUIT BREAKER		INVERTER
	SWITCH		CONVERTER
	BATTERY		

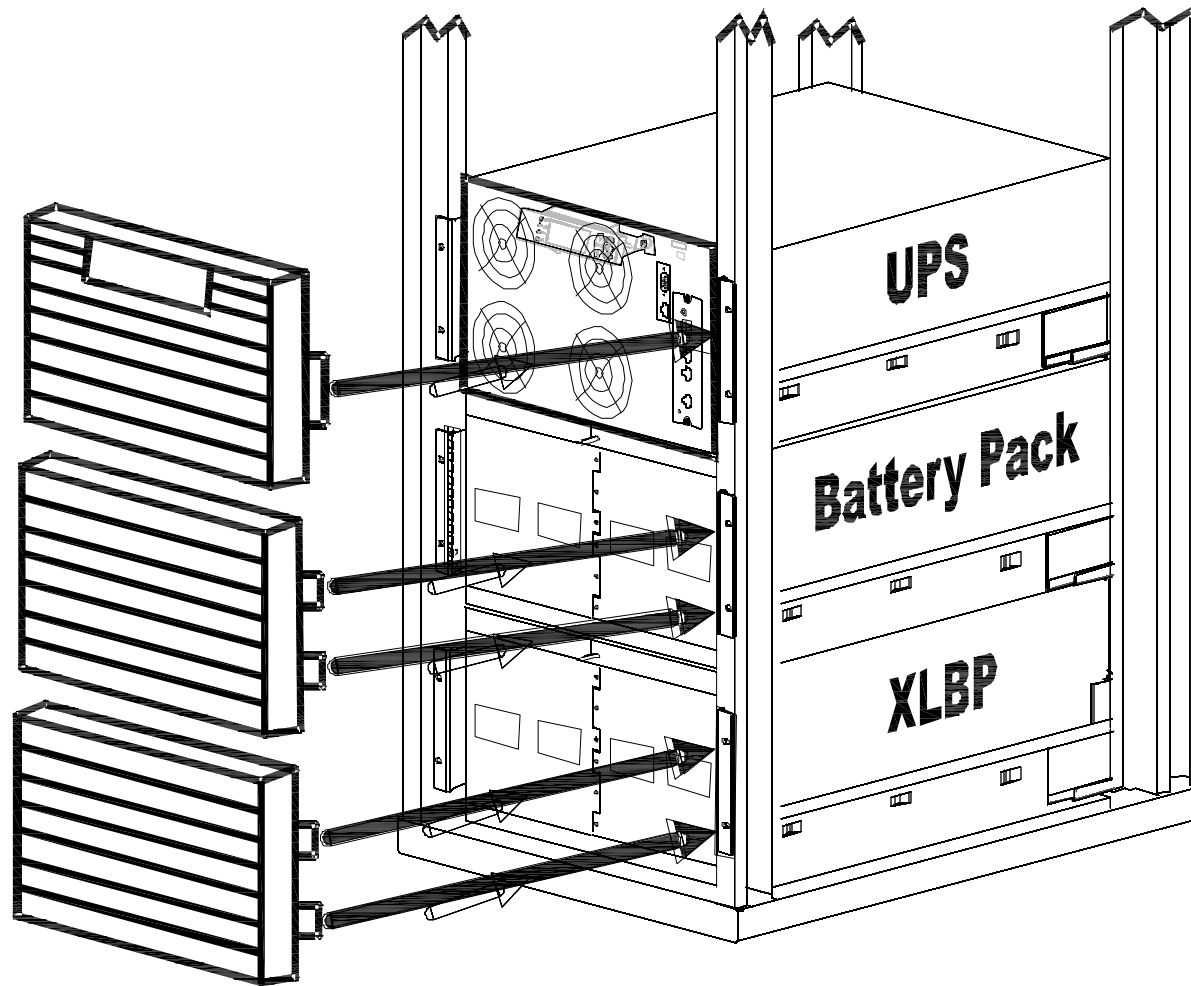
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**Schneider**  
**Electric**

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  
DRAWING GUIDE

PROJECT: DRAWINGS SHEET 1 OF 8

DWG NO:	SURT15KRMXLI	REV.	0
DRAWN:	C. KRISHNA	06-FEB-13	FIRST
ENGINEER:	E.KOTLYAR	06-FEB-13	ANGLE
APPROVED:	N.WHITING/J.PRECOPIO	06-FEB-13	PROJECTION



ISOMETRIC VIEW

**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. COLOR – BLACK
4. PROTECTION CLASS– IP20.

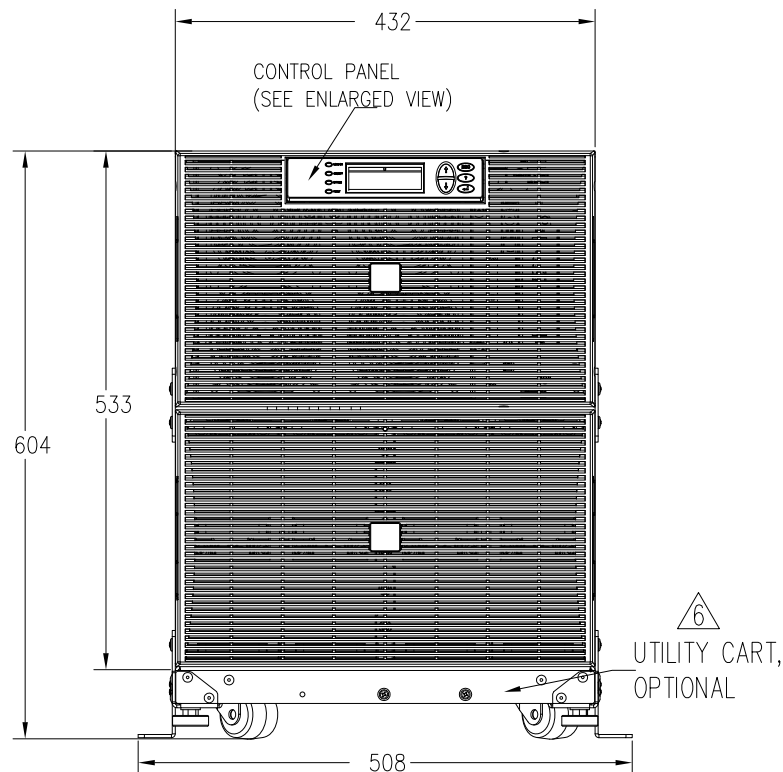
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**Schneider Electric**

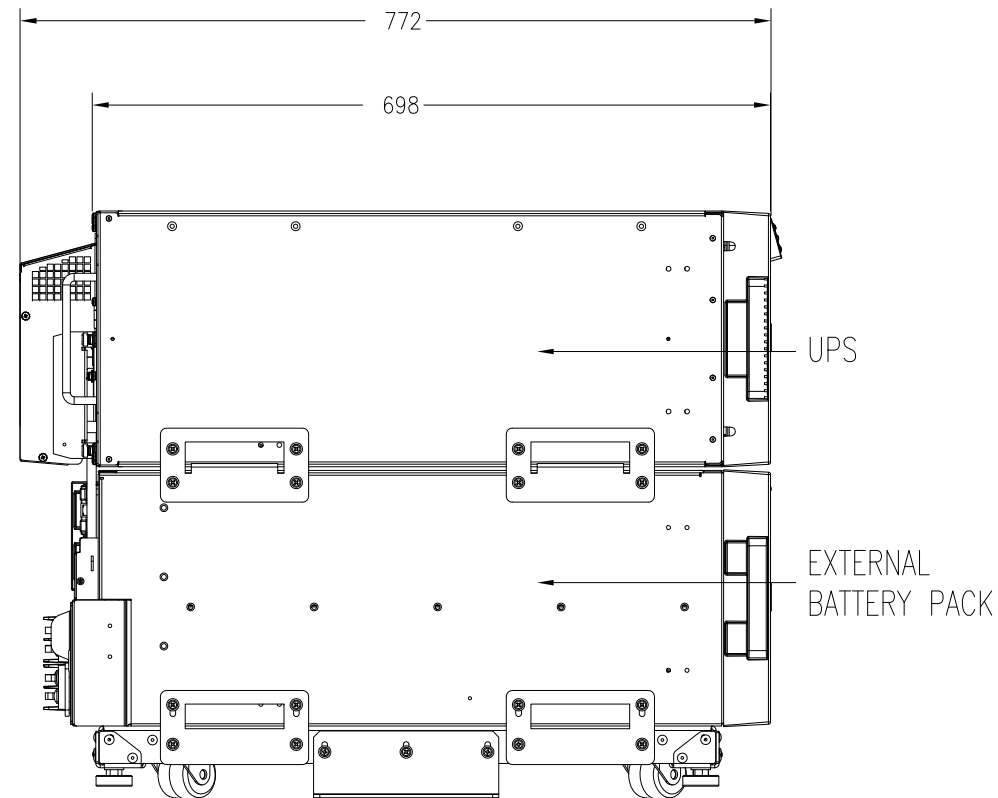
TITLE: Smart-UPS On-Line  
INPUT: 220/230/240VAC (1PH+N+G), 50/60Hz 1PH  
or 380/400/415VAC (3PH+N+G), 50/60Hz 3PH  
OUTPUT: 220/230/240VAC (1PH+N+G), 50/60Hz 1PH  
or 380/400/415VAC (3PH+N+G), 50/60Hz 3PH  
ISOMETRIC VIEW

PROJECT: DRAWINGS SHEET 2 OF 8

DWG NO:	SURT15KRMXLI	REV.	0
DRAWN:	C. KRISHNA	06-FEB-13	FIRST
ENGINEER:	E. KOTLYAR	06-FEB-13	ANGLE
APPROVED:	N. WHITING/J. PRECOPIO	06-FEB-13	PROJECTION



FRONT VIEW



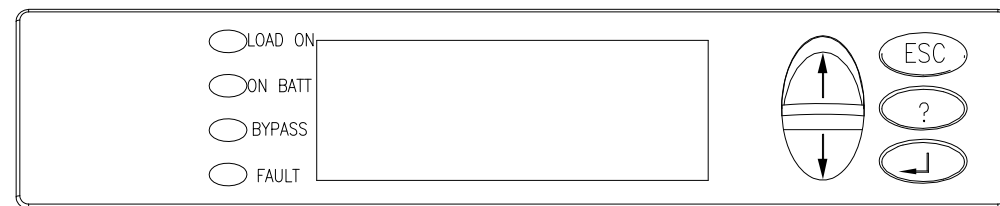
SIDE VIEW

Flore Loading Data			
UPS	Dimensions H x W x D mm	Weight in Kg	Floor Loading kg / m <sup>2</sup>
SURT15KRMXLI	533x432x773	247.73	793



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.
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 247.73kg  
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.
9. OPERATING TEMPERATURE: 0°C MIN. TO 40°C MAX.
10. THIS INFORMATION PROVIDED CONSERVATIVE CENTER OF GRAVITY CALCULATION.



CONTROL PANEL  
(ENLARGED VIEW)

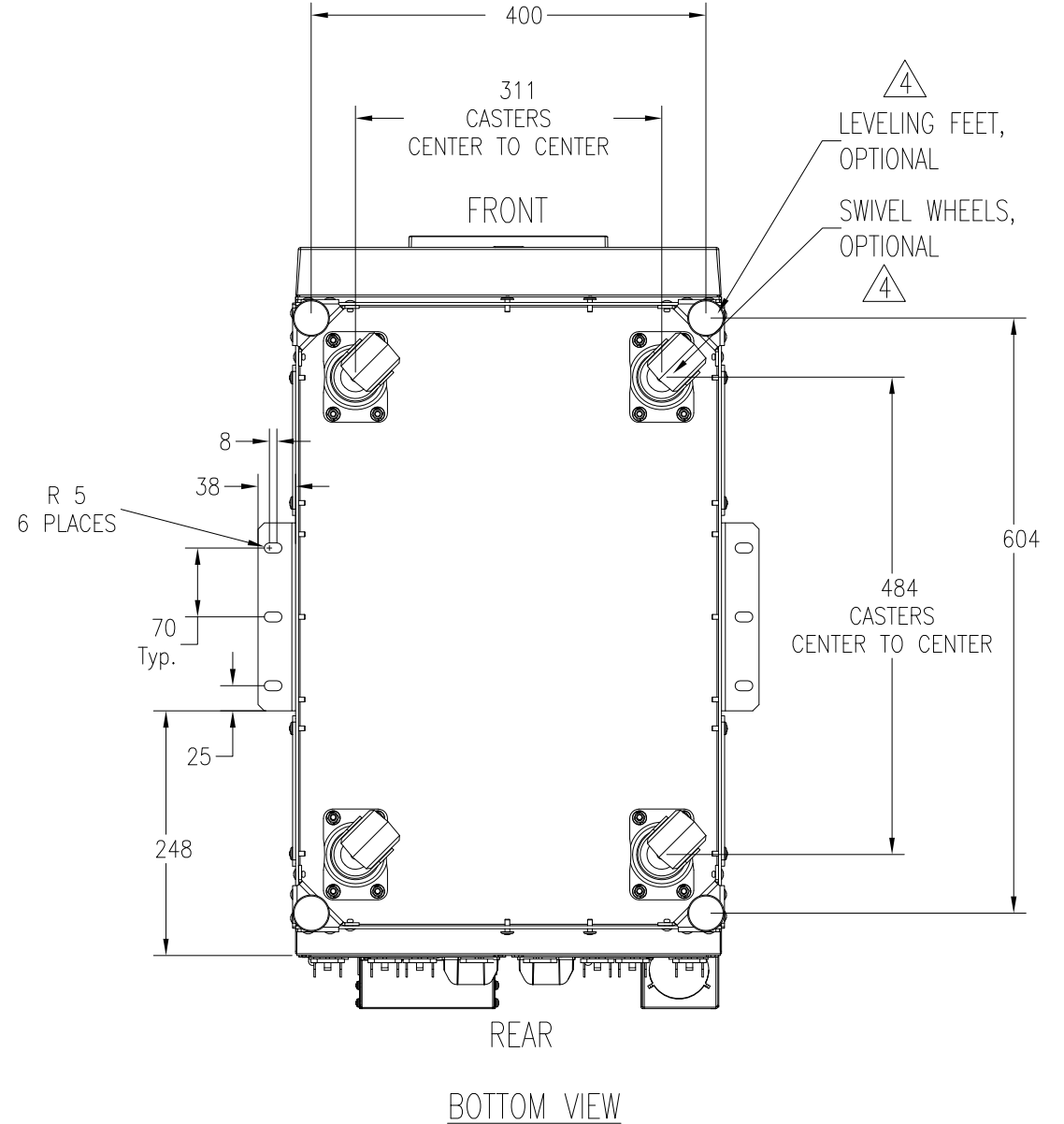
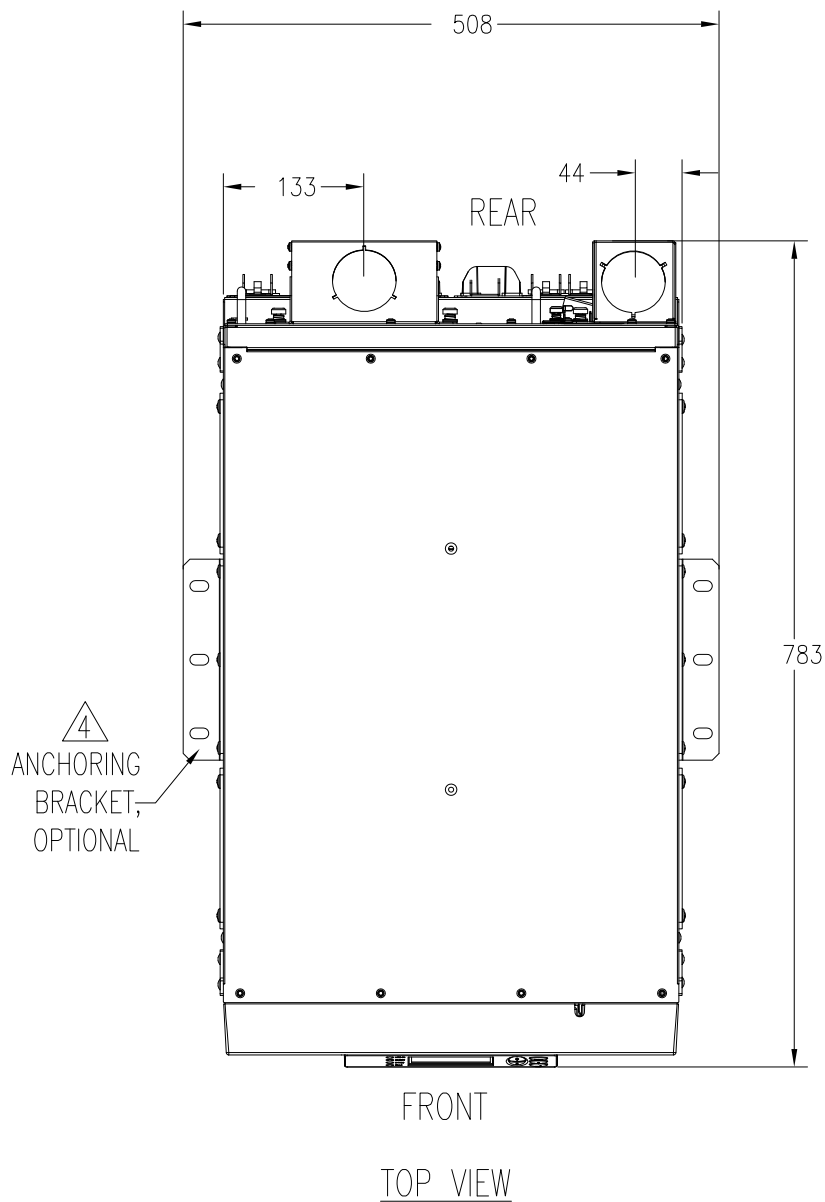
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**Schneider Electric**

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: DRAWINGS SHEET 3 OF 8

DWG NO: SURT15KRMXLI REV. 0  
DRAWN: C. KRISHNA 06-FEB-13 FIRST ANGLE PROJECTION  
ENGINEER: E. KOTLYAR 06-FEB-13  
APPROVED: N. WHITING/J. PRECOPIO 06-FEB-13



#### 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. ALL DIMENSIONS ARE IN MILLIMETERS.
4. ANCHORING BRACKET, SWIVEL WHEELS AND LEVELING FEET CAN BE ORDERED SEPARATELY AS PART OF SURTO13 UTILITY CART

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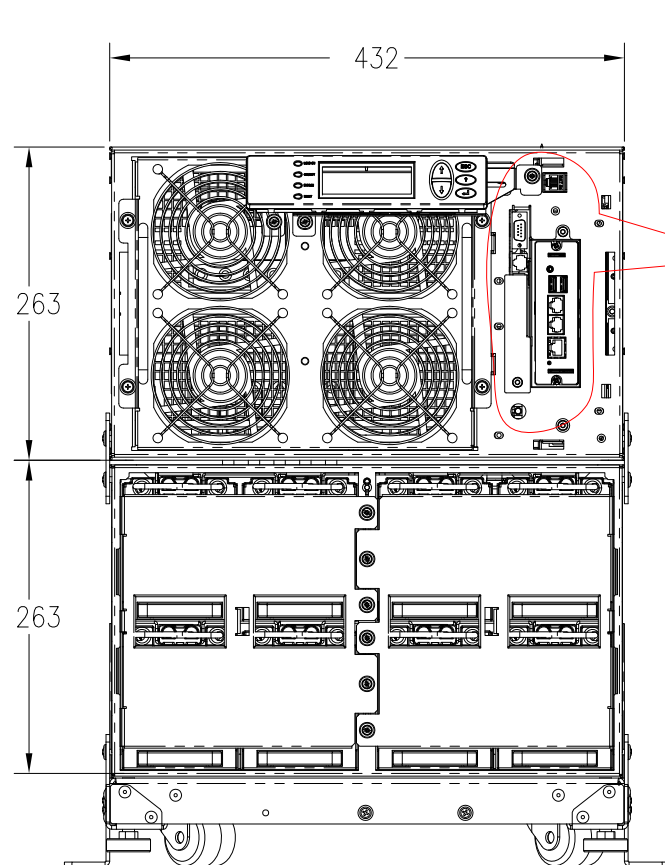
**Schneider Electric**

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

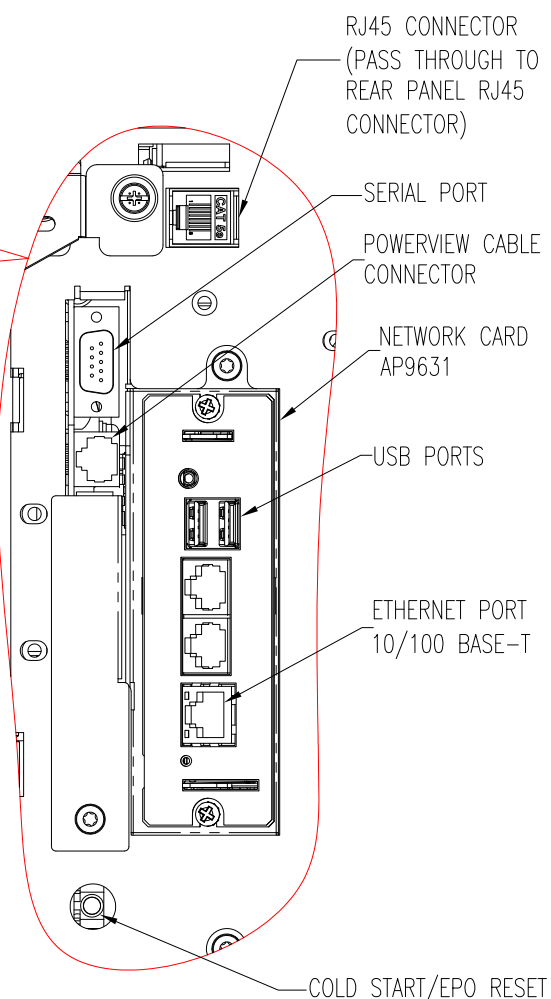
PROJECT: DRAWINGS SHEET 4 OF 8

DWG NO:	SURT15KRMXLI		REV:	0
DRAWN:	C. KRISHNA	06-FEB-13	ENGINEER:	E. KOTLYAR
APPROVED:	N. WHITING/J. PRECOPIO	06-FEB-13	PROJECT:	DRAWINGS

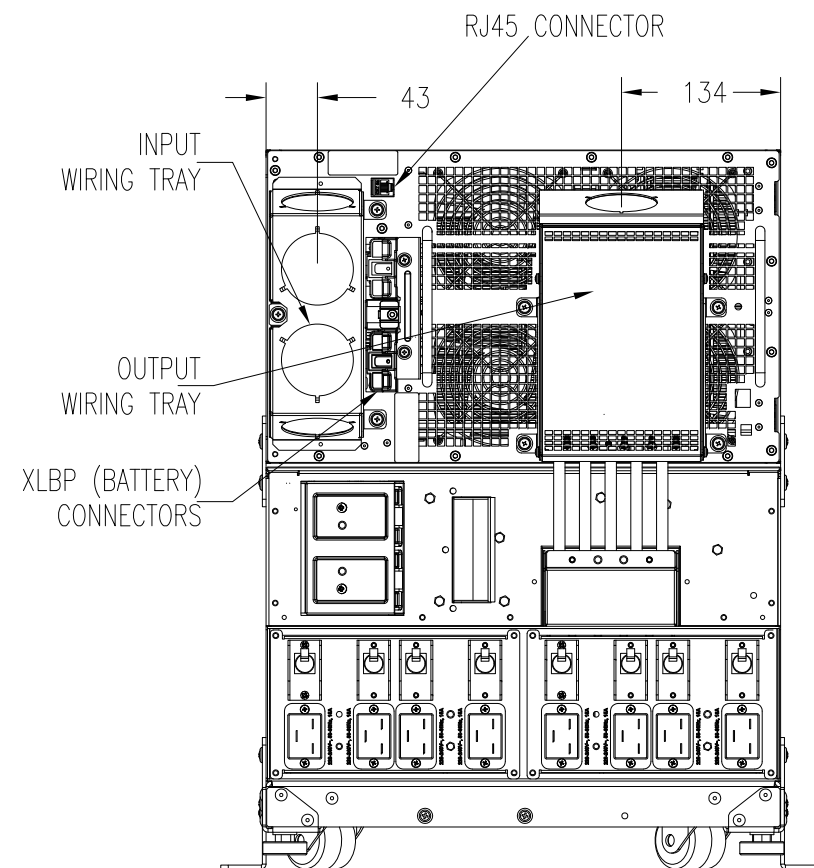
FIRST ANGLE PROJECTION



FRONT VIEW  
(BEZELS REMOVED)



INTERFACE  
ENLARGED VIEW



REAR VIEW

#### NOTES:

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**Schneider**  
**Electric**

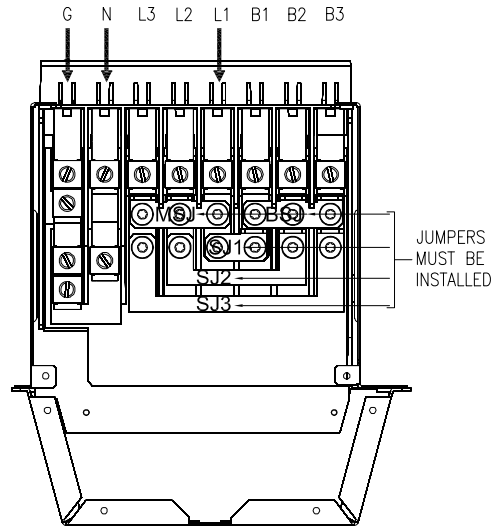
TITLE: Smart-UPS On-Line  
INPUT: 220/230/240VAC (1PH+N+G), 50/60Hz 1PH  
or 380/400/415VAC (3PH+N+G), 50/60Hz 3PH  
OUTPUT: 220/230/240VAC (1PH+N+G), 50/60Hz 1PH  
or 380/400/415VAC (3PH+N+G), 50/60Hz 3PH  
INTERNAL VIEWS

PROJECT: DRAWINGS SHEET 5 OF 8

DWG NO:	SURT15KRMXLI	REV:	0
DRAWN:	C. KRISHNA	06-FEB-13	FIRST ANGLE PROJECTION
ENGINEER:	E. KOTLYAR	06-FEB-13	
APPROVED:	N. WHITING/J. PRECOPIO	06-FEB-13	

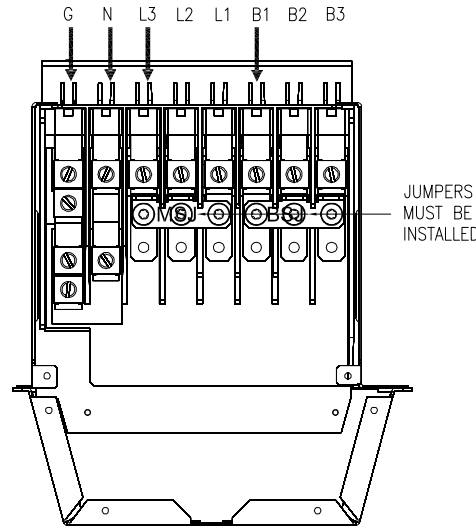
#### INPUT WIRING OPTION-1

SINGLE PHASE INPUT  
SINGLE PHASE OUTPUT  
SINGLE FEED



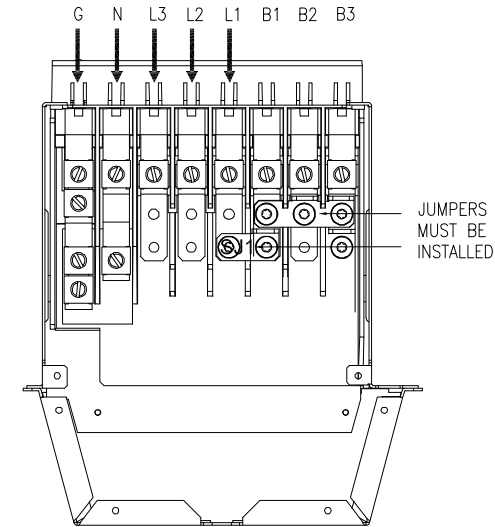
#### INPUT WIRING OPTION-2

SINGLE PHASE INPUT  
SINGLE PHASE OUTPUT  
DUAL FEED



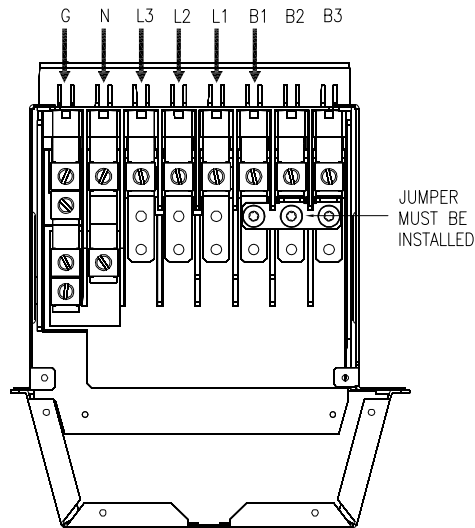
#### INPUT WIRING OPTION-3

THREE PHASE INPUT  
SINGLE PHASE OUTPUT  
SINGLE FEED



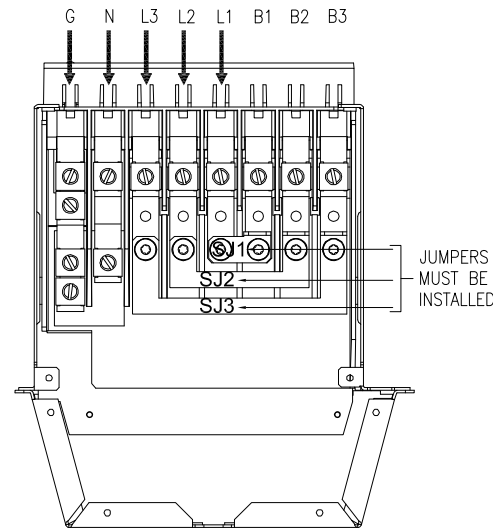
#### INPUT WIRING OPTION-4

THREE PHASE INPUT  
SINGLE PHASE OUTPUT  
DUAL FEED



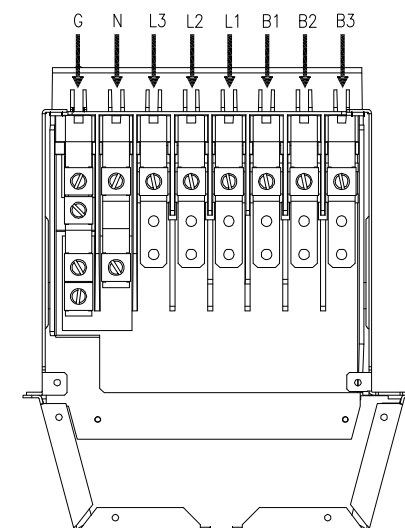
#### INPUT WIRING OPTION-5

THREE PHASE INPUT  
THREE PHASE OUTPUT  
SINGLE FEED



#### INPUT WIRING OPTION-6

THREE PHASE INPUT  
THREE PHASE OUTPUT  
DUAL FEED



#### NOTES:

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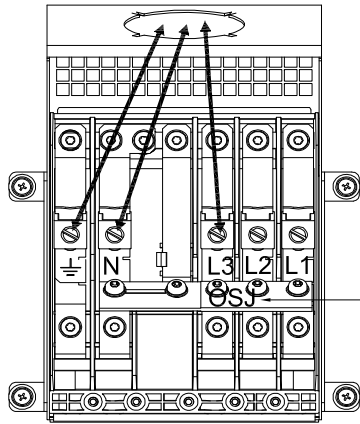
**Schneider**  
Electric

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: DRAWINGS SHEET 6 OF 8

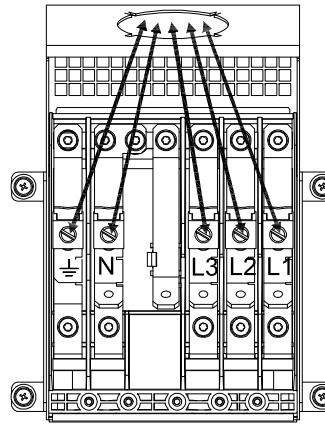
DWG NO:	SURT15KRMXLI	REV.	0
DRAWN:	C. KRISHNA	06-FEB-13	FIRST
ENGINEER:	E. KOTLYAR	06-FEB-13	ANGLE
APPROVED:	N. WHITING/J. PRECOPIO	06-FEB-13	PROJECTION

OUTPUT HARDWIRE OPTION-1  
SINGLE PHASE HARDWIRE  
OUTPUT CONNECTION

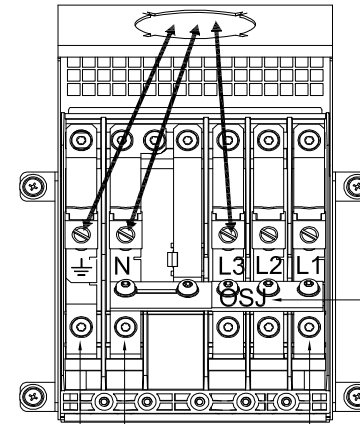


ENSURE THE (OSJ) IS  
SECURED TO THE OUTPUT  
WIRING TRAY USING THE  
FIVE SCREWS PROVIDED

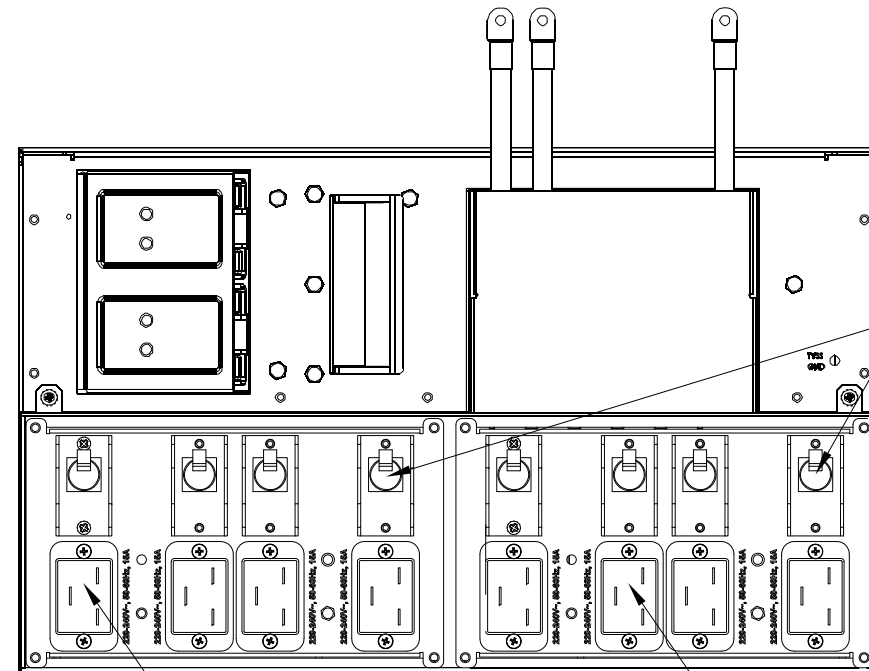
OUTPUT HARDWIRE OPTION-2  
THREE PHASE HARDWIRE  
OUTPUT CONNECTION XLBP PDU NOT CONNECTED  
OUTPUT SHORTING JUMPER (OSJ) REMOVED



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:

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**Schneider  
Electric**

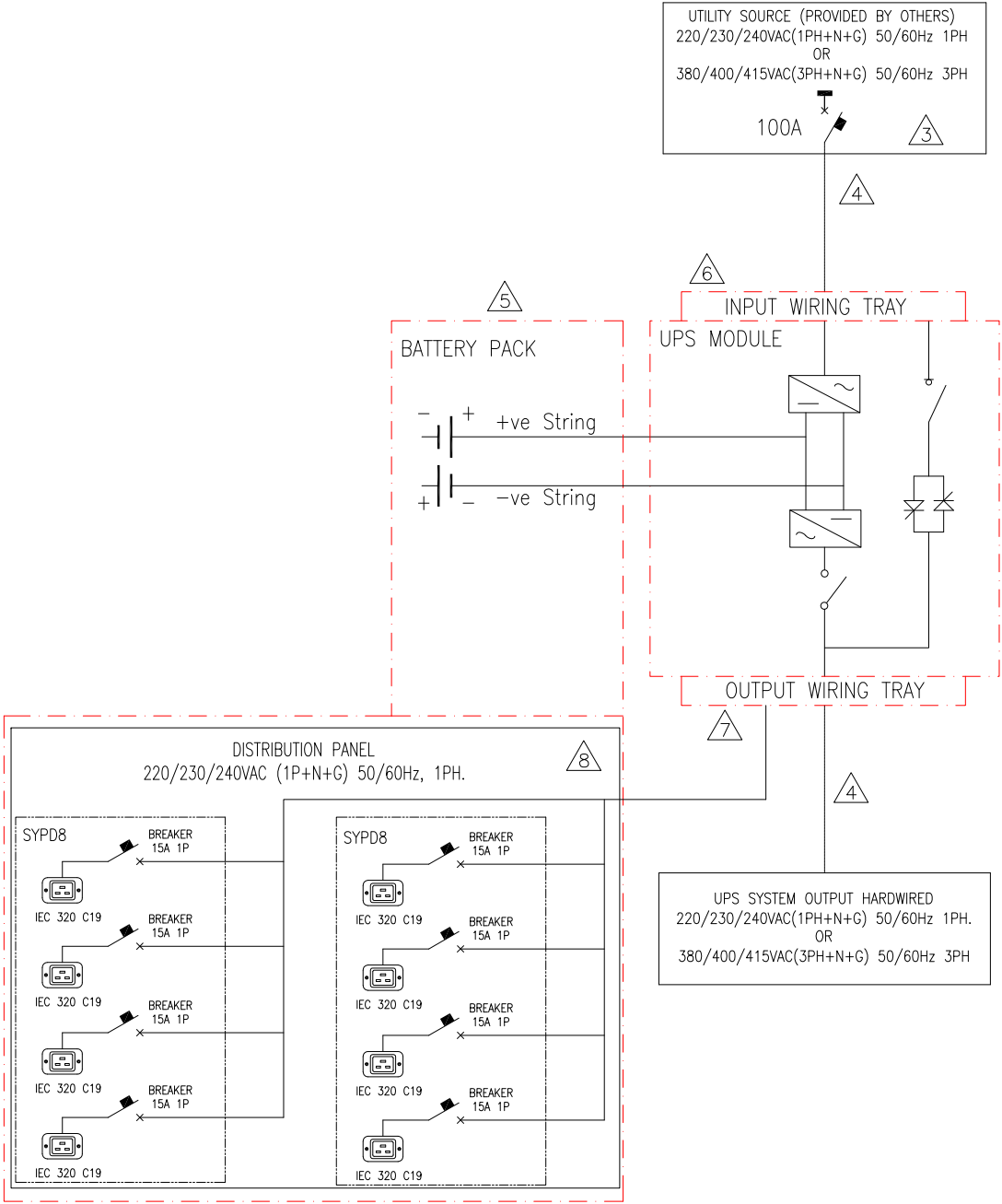
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or 380/400/415VAC (3PH+N+G), 50/60Hz 3PH  
OUTPUT: 220/230/240VAC (1PH+N+G), 50/60Hz 1PH  
or 380/400/415VAC (3PH+N+G), 50/60Hz 3PH  
OUTPUT WIRING OPTIONS

PROJECT: DRAWINGS SHEET 7 OF 8

DWG NO: SURT15KRMXLI REV. 0  
DRAWN: C. KRISHNA 06-FEB-13 FIRST ANGLE  
ENGINEER: E. KOTLYAR 06-FEB-13 PROJECTION  
APPROVED: N. WHITING/J. PRECOPIO 06-FEB-13

Efficiency Details				
System	25% load	load 50%	75% load	100% load
SURT15KRMXLI	92.3	94.4	94.8	94.8

- 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. UTILITY SOURCE MUST BE 1PH 220/230/240VAC 50/60Hz 1PH+N+G OR 3PH 380/400/415VAC (3PH+N+G) 50/60Hz, SINGLE FEED OR DUAL FEED INCLUDING SEPARATE BYPASS INPUT FEEDS PROVIDED BY OTHERS.
  4. DASHED LINES BETWEEN UNITS ( - - - ) REPRESENT CABLING PROVIDED BY OTHERS.
  5. ADDITIONAL EXTERNAL BATTERY PACKS, (UPTO 10) CAN BE CONNECTED TO INCREASE THE RUN TIME FURTHER.
  6. FACTORY DEFAULT INPUT WIRING TRAY CONFIGURATION IS 1 PH & 1 FEED. THIS CAN BE CONFIGURED FOR 3PH OR DUAL FEED UTILITY SOURCES. REFER TO INSTALLATION MANUAL FOR DETAILED INSTRUCTIONS.
  7. OUTPUT WIRING TRAY CAN BE CONFIGURED FOR 1PH OR 3PH OUTPUTS. REFER TO INSTALLATION MANUAL FOR DETAILED INSTRUCTIONS.
  8. PDU PANELS ARE MOUNTED ON THE REAR OF THE BATTERY PACK. OTHER, OPTIONAL, PDU PANELS CAN BE PURCHASED SEPARATELY AND INSTALLED TO PROVIDE ALTERNATIVE LOAD CONNECTIONS.
  9. INPUT I THD < 5% AT FULL LOAD
  10. OUTPUT V THD < 5%



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**Schneider**  
**Electric**

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

PROJECT: DRAWINGS SHEET 8 OF 8

DWG NO: SURT15KRMXLI  
DRAWN: C KRISHNA  
ENGINEER: V. CHENNAKESAVAN

APPROVED: N. WHITING/J. PRECOPIO

REV. 0  
06-FEB-13  
06-FEB-13  
06-FEB-13  
ANGLE PROJECTION  
N.A.