

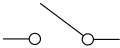


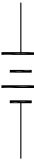


APC Smart-UPS RT

Sheet No.	Component /Detail	Description
1	Drawing Guide	APC Smart-UPS RT Drawing Guide
2	Isometric Views	APC Smart-UPS RT Isometric View
3	General Arrangement -Rack mount	APC Smart-UPS RT General Arrangement-Rack inatallation
4	General Arrangement -Tower mount	APC Smart-UPS RT General Arrangement-Tower inatallation
5	Input-Output Configuration	APC Smart-UPS RT Input-Output Configuration
6	System One Line Diagram	APC Smart-UPS RT System Onleline Diagram

LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CIRCUIT BREAKER		AC-DC CONVERTER
	RELAY		DC-AC CONVERTER (INVERTER)
	DC-DC CONVERTER		BATTERY

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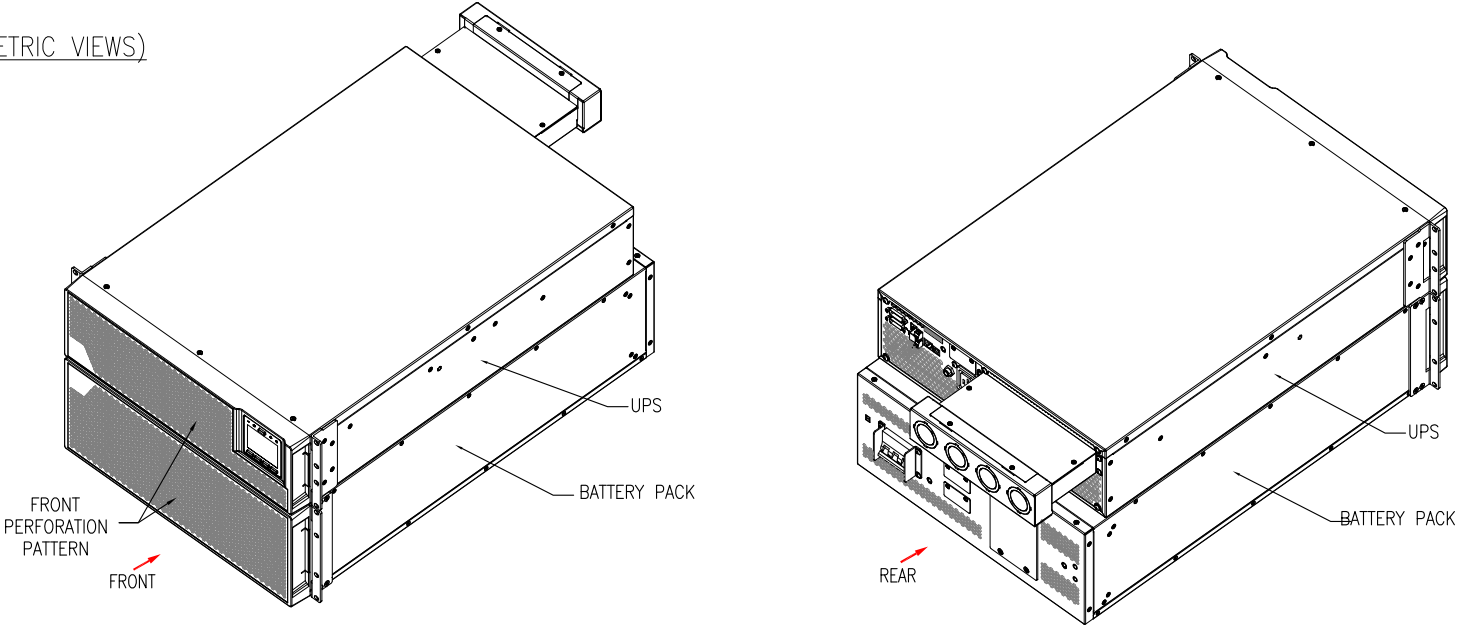
TITLE: APC Smart UPS RT
(SRTG15KXLI-PM+SRTG192XLBP2)/(SRTG20KXLI-PM+SRTG192XLBP2)
INPUT: 1P-220-240V or 3PH-380-415V, 38-72Hz
OUTPUT: 1PH-220/230/240V or 3PH-380/400/415V, 50/60Hz, 15/20KVA
DRAWING GUIDE
PROJECT: DRAWINGS SHEET 1 OF 6

DWG NO: SRTG15K20XLI
DRAWN: JAYAPRAKASH 12-DEC-24
ENGINEER: PRITHVI 13-DEC-24
APPROVED: M.LIPARE/PRITHVI 13-DEC-24

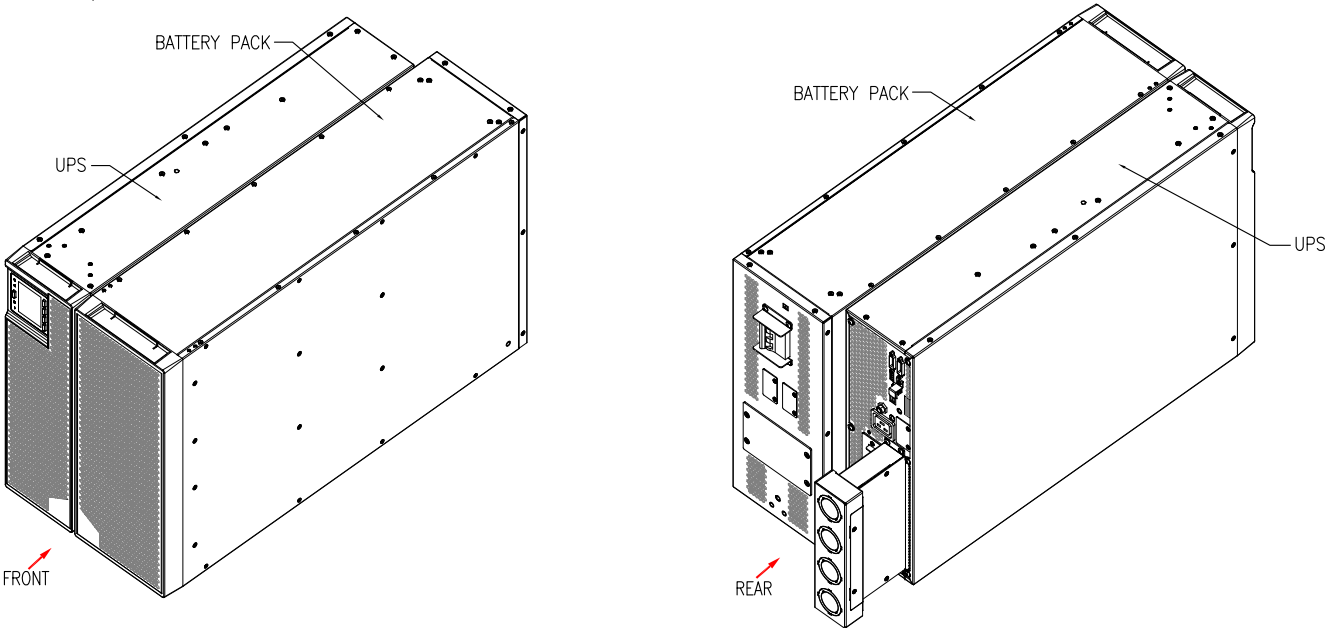
REV. 0
ANGLE PROJECTION N.A

SKU #: SRTG15KXLI (SRTG15KXLI-PM + SRTG192XLBP2) /
SRTG20KXLI (SRTG20KXLI-PM + SRTG192XLBP2)

• RACK INSTALLATION (ISOMETRIC VIEWS)



• TOWER INSTALLATION (ISOMETRIC VIEWS)



NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL AND LOCAL ELECTRICAL REGULATIONS.
2. REFER TO PRODUCT MANUALS FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.

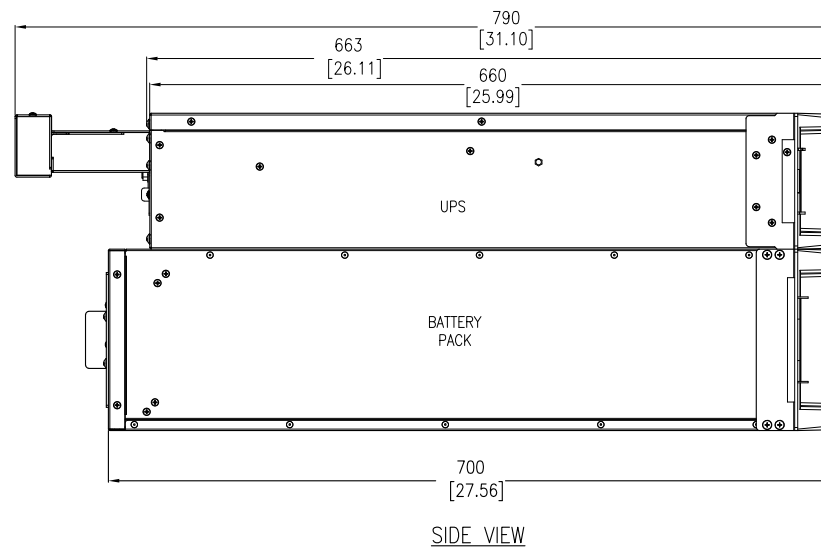
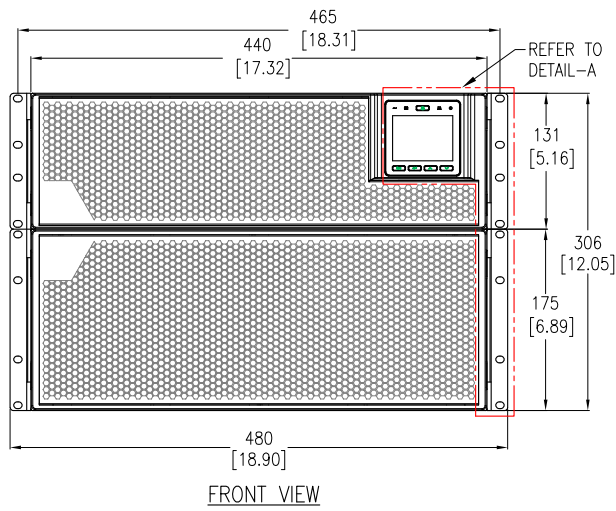
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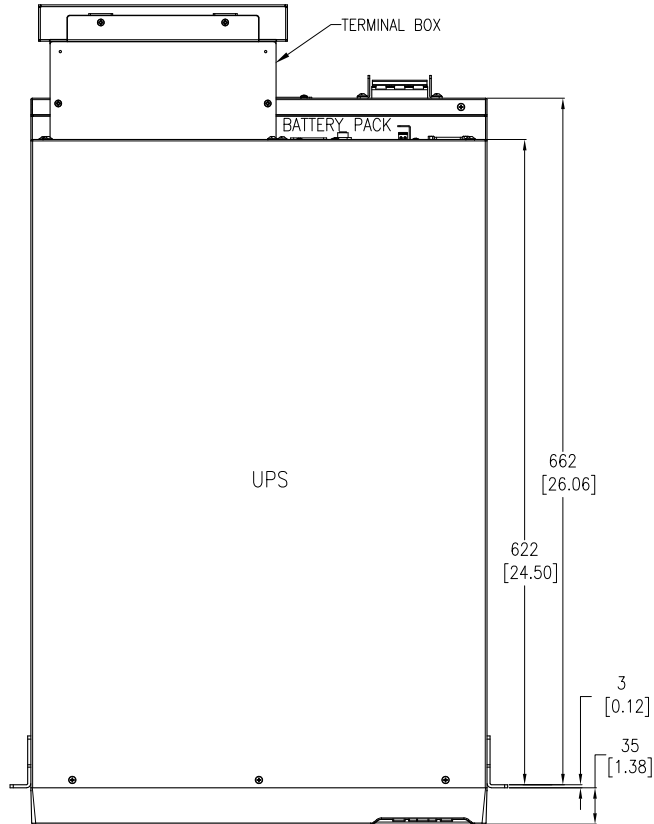
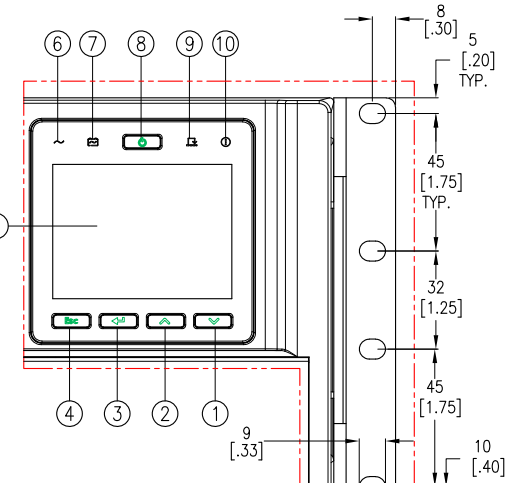
TITLE: APC Smart UPS RT
(SRTG15KXLI-PM+SRTG192XLBP2)/(SRTG20KXLI-PM+SRTG192XLBP2)
INPUT: 1P:220-240V or 3PH:380-415V, 38-72Hz
OUTPUT: 1PH:220/230/240V or 3PH:380/400/415V, 50/60Hz, 15/20kVA
ISOMETRIC VIEWS (UPS+BATTERY PACK)

PROJECT: DRAWINGS SHEET 2 OF 6

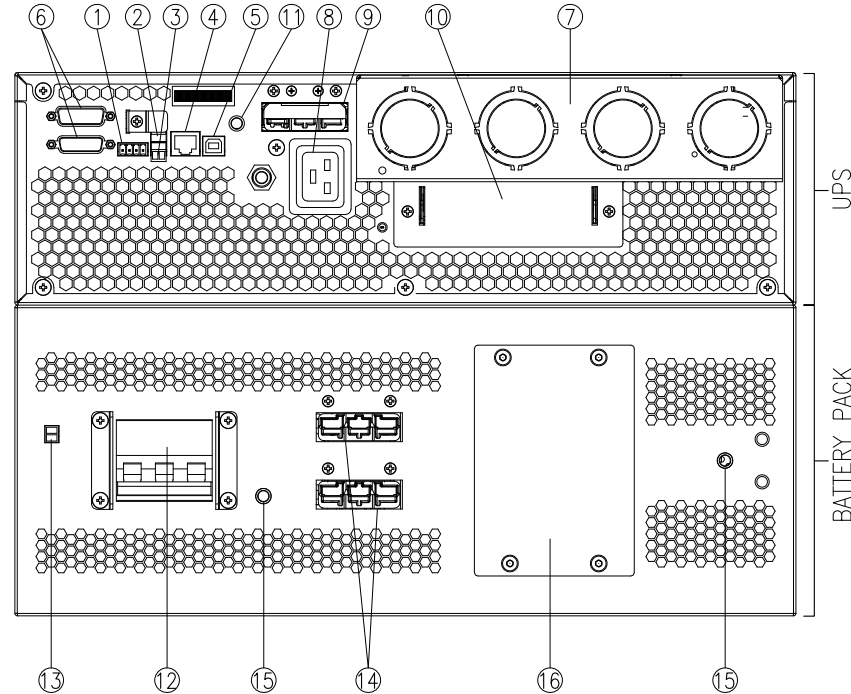
DWG NO:	SRTG15K20XLI	REV.	1
DRAWN:	JAYAPRAKASH	12-DEC-24	FIRST
ENGINEER:	PRITHVI	13-DEC-24	ANGLE
APPROVED:	M.LIPARE/PRITHVI	13-DEC-24	PROJECTION



1. DOWN BUTTON
2. UP BUTTON
3. OK BUTTON
4. ESC BUTTON
5. DISPLAY
6. Online LED
7. ON BATTERY LED
8. POWER ON/OFF BUTTON
9. BYPASS LED
10. ALERT LED



- ① EPO TERMINAL
- ② MBS TERMINAL
- ③ BAT_TEMPERATURE SENSOR TERMINAL-1
- ④ RS232 SERIAL PORT
- ⑤ USB PORT
- ⑥ PARALLEL PORT
- ⑦ INPUT/OUTPUT HARDWIRE TERMINALS
- ⑧ OUTPUT SOCKET (IEC C19, 16A MAX.) WITH CIRCUIT BREAKER
- ⑨ BATTERY CONNECTOR (COVER NOT SHOWN)
- ⑩ SMART SLOT
- ⑪ GROUND SCREW
- ⑫ BATTERY BREAKER
- ⑬ BATTERY TEMPERATURE SENSOR TERMINAL-2
- ⑭ BATTERY CONNECTOR (COVER NOT SHOWN)
- ⑮ GROUND SCREW
- ⑯ BATTERY FUSE X2 (100A/500V DC)



REAR VIEW (ENLARGED)

DETAIL-A
DISPLAY PANEL & MOUNTING
EARS (ENLARGED VIEW)

NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL AND LOCAL ELECTRICAL REGULATIONS.
2. REFER TO PRODUCT MANUALS FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES], UNLESS OTHERWISE SPECIFIED. DIMENSIONS EXCLUDE SCREWS AND PROTRUDING PARTS.
4. CABLE ENTRY IS FROM REAR SIDE OF UNIT.
5. NET WEIGHT UPS + BATTERY: 142.5kg [314.16lb]

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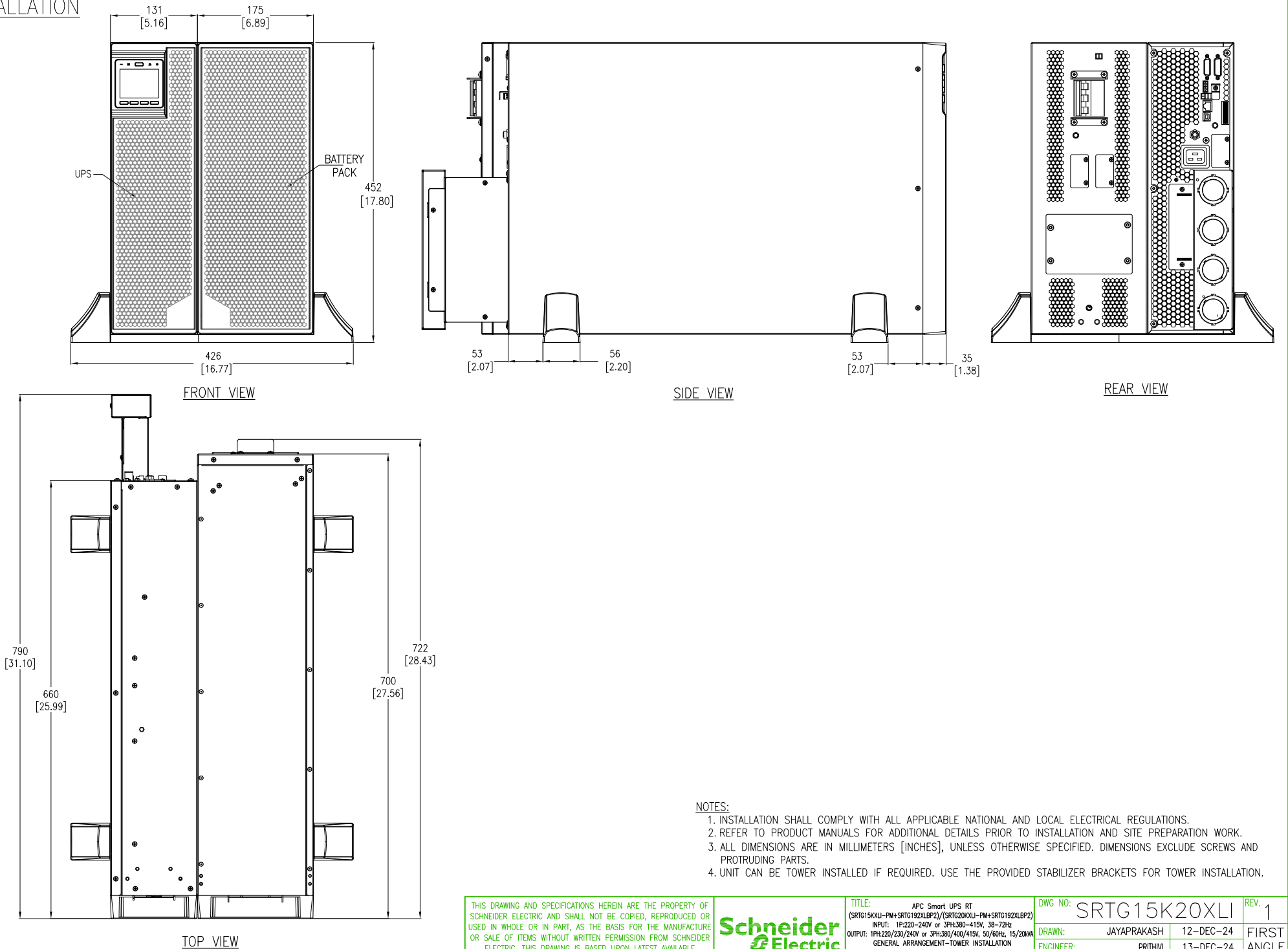
Schneider Electric

TITLE: APC Smart UPS RT
(SRTG15KXLI-PM+SRTG192XLBP2)/(SRTG20KXLI-PM+SRTG192XLBP2)
INPUT: 1P/220-240V or 3PH/380-415V, 38-72Hz
OUTPUT: 1PH/220/230/240V or 3PH/380/400/415V, 50/60Hz, 15/20kVA
GENERAL ARRANGEMENT-RACK INSTALLATION

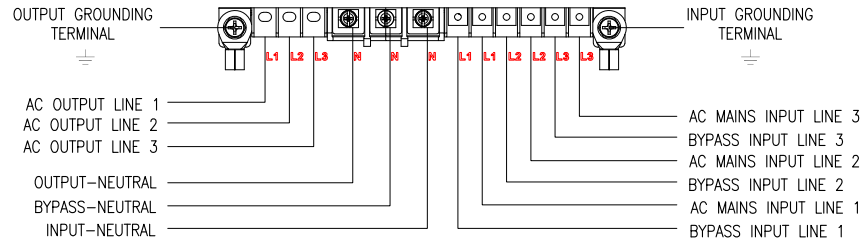
PROJECT: DRAWINGS SHEET 3 OF 6

DWG NO: SRTG15K20XLI REV. 1
DRAWN: JAYAPRAKASH 12-DEC-24
ENGINEER: PRITHVI 13-DEC-24
APPROVED: M.LIPARE/PRITHVI 13-DEC-24
FIRST ANGLE PROJECTION

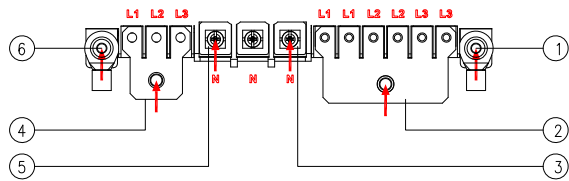
TOWER INSTALLATION



TERMINAL DETAILS (REAR SIDE OF THE UNIT)

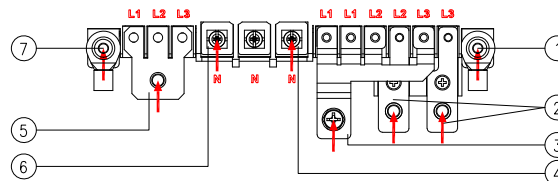


FACTORY DEFAULT CONFIGURATION IS SINGLE FEED 1 ϕ :1 ϕ



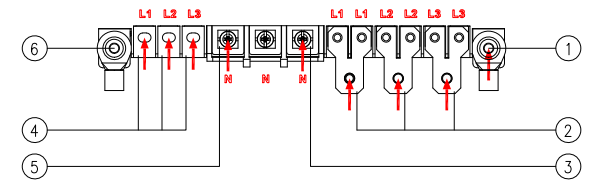
- ① \equiv GROUNDING TERMINAL-INPUT
- ② INPUT AND BYPASS LINE SHORTING JUMPER SJ5
- ③ INPUT - NEUTRAL
- ④ OUTPUT LINE SHORTING JUMPER SJ2
- ⑤ OUTPUT - NEUTRAL
- ⑥ \equiv GROUNDING TERMINAL-OUTPUT

TO CONFIGURE AS SINGLE FEED 3 ϕ :1 ϕ



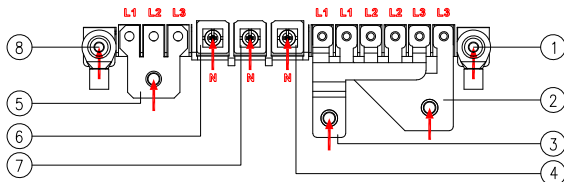
- ① \equiv GROUNDING TERMINAL-INPUT
- ② INPUT LINE SHORTING JUMPER SJ8
- ③ BYPASS LINE SHORTING JUMPER SJ7
- ④ INPUT - NEUTRAL
- ⑤ OUTPUT LINE SHORTING JUMPER SJ2
- ⑥ OUTPUT - NEUTRAL
- ⑦ \equiv GROUNDING TERMINAL-OUTPUT

TO CONFIGURE AS SINGLE FEED 3 ϕ :3 ϕ



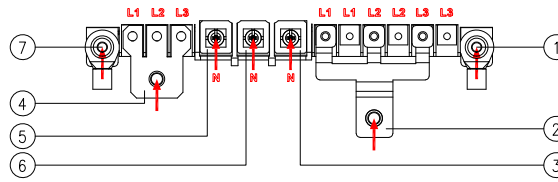
- ① \equiv GROUNDING TERMINAL-INPUT
- ② INPUT AND BYPASS LINE SHORTING JUMPER SJ1
- ③ INPUT - NEUTRAL
- ④ AC OUTPUT
- ⑤ OUTPUT - NEUTRAL
- ⑥ \equiv GROUNDING TERMINAL-OUTPUT

TO CONFIGURE AS DUAL FEED 1 ϕ :1 ϕ



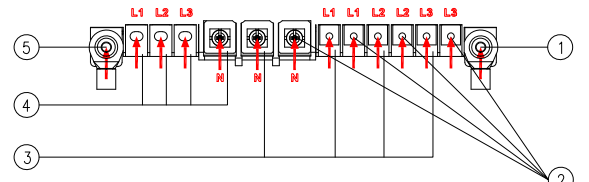
- ① \equiv GROUNDING TERMINAL-INPUT
- ② INPUT LINE SHORTING JUMPER SJ4
- ③ BYPASS LINE SHORTING JUMPER SJ3
- ④ INPUT - NEUTRAL
- ⑤ OUTPUT LINE SHORTING JUMPER SJ2
- ⑥ OUTPUT - NEUTRAL
- ⑦ BYPASS - NEUTRAL
- ⑧ \equiv GROUNDING TERMINAL-OUTPUT

TO CONFIGURE AS DUAL FEED 3 ϕ :1 ϕ



- ① \equiv GROUNDING TERMINAL-INPUT
- ② BYPASS LINE SHORTING JUMPER SJ6
- ③ INPUT - NEUTRAL
- ④ OUTPUT LINE SHORTING JUMPER SJ2
- ⑤ OUTPUT - NEUTRAL
- ⑥ BYPASS - NEUTRAL
- ⑦ \equiv GROUNDING TERMINAL-OUTPUT

TO CONFIGURE AS DUAL FEED 3 ϕ :3 ϕ



- ① \equiv GROUNDING TERMINAL-INPUT
- ② INPUT - MAINS
- ③ INPUT - BYPASS
- ④ OUTPUT
- ⑤ \equiv GROUNDING TERMINAL-OUTPUT

NOTES:
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Schneider Electric

TITLE: APC Smart UPS RT
(SRTG15KXU-PW+SRTG192XLBP2)/(SRTG20KXU-PW+SRTG192XLBP2)
INPUT: 1P:220-240V or 3PH:380-415V, 38-72Hz
OUTPUT: 1PH:220/230/240V or 3PH:380/400/415V, 50/60Hz, 15/20kVA
SYSTEM ONE LINE DIAGRAM

DWG NO: SRTG15K20XLI
DRAWN: RANJITHA
ENGINEER: TONY CHEN
APPROVED: M.LIPARE
REV: 0
05-JAN-22
07-JAN-22
07-JAN-22
ANGLE PROJECTION

0
05-JAN-22
07-JAN-22
07-JAN-22
ANGLE PROJECTION

					Single Mains / Single Feed		Dual Mains / Dual Feed			
UPS Rating	Phase wiring	Number of Phases	Voltage	Full load current@ Nominal Input voltage	External Input Circuit Breaker	Wire size*	External Input Circuit Breaker Mains	External Input Circuit Breaker Bypass	Wire size Mains*	Wire size Bypass*
15kVA	Input	1	220/230/240 VAC	100.2 A	100 A	25 mm ²	100A	100A	25 mm ²	25 mm ²
	Output	1	220/230/240 VAC	68.2 A		16 mm ²			16 mm ²	16 mm ²
	Input	3	380/400/415 VAC	33.5 A each phase	100 A **	25 mm ² **	40 A each phase	100 A **	10 mm ²	25 mm ² **
	Output	1	220/230/240 VAC	68.2 A		16 mm ²			16 mm ²	16 mm ²
	Input	3	380/400/415 VAC	33.5 A each phase	40 A each phase	10 mm ²	40 A each phase	40 A each phase	10 mm ²	10 mm ²
	Output	3	380/400/415 VAC	22.8 A each phase		6 mm ²			6 mm ²	6 mm ²
20kVA	Input	1	220/230/240 VAC	124.1 A	125 A	35 mm ²	125 A	125 A	35 mm ²	35 mm ²
	Output	1	220/230/240 VAC	90.9 A		25 mm ²			25 mm ²	25 mm ²
	Input	3	380/400/415 VAC	41.5 A each phase	125 A**	35 mm ² **	50 A each phase	125 A **	16 mm ²	35 mm ² **
	Output	1	220/230/240 VAC	90.9 A		25 mm ²			25 mm ²	25 mm ²
	Input	3	380/400/415 VAC	41.5 A each phase	50 A each phase	16 mm ²	50 A each phase	50 A each phase	16 mm ²	16 mm ²
	Output	3	380/400/415 VAC	30.4 A each phase		10 mm ²			10 mm ²	10 mm ²

* Terminal screw tightening torque: 4.5Nm (40 lb-in).

** Use cables and input circuit breakers rated for specifications listed in these tables.

Note: Units configured for three phase input and single phase output operation, the entire load connected to the UPS will transfer to L1 and Neutral of the three phase input, when the UPS is operating in Bypass mode.

Battery Specifications	
Capacity	9Ah
Total voltage of battery pack for the UPS	±192 VDC
XLBP Cable length	0.64 meter
Battery type	Sealed Maintenance Free Valve Regulated Lead Acid
Charger Current	1.8 - 5 A
Maximum number of batteries	1 - 5 (including the one supplied with UPS)

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3. DRAWING DEPICTS POWER SYSTEM CONNECTIONS AND IS NOT REPRESENTATIVE OF PHYSICAL LAYOUT. PLEASE REFER TO MECHANICAL DRAWINGS FOR MORE SPECIFIC PHYSICAL DATA.

- ⚠ UTILITY SOURCE PROVIDED BY OTHERS. DASHED LINES(---) BETWEEN UTILITY SOURCE & THE UNIT REPRESENTS UTILITY POWER CABLE. REFER TO TABLE FOR DETAILS.
- ⚠ A MAXIMUM OF 4 EXTERNAL BATTERY PACKS CAN BE CONNECTED DEPENDING UPON THE RUN TIME REQUIREMENT.

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INPUT: 1P:220-240V or 3PH:380-415V, 38-72Hz
OUTPUT: 1PH:220/230/240V or 3PH:380/400/415V, 50/60Hz, 15/20kVA
SYSTEM ONELINE DIAGRAM

PROJECT: DRAWINGS SHEET 6 OF 6

DWG NO: SRTG15K20XLI
DRAWN: RANJITHA 05-JAN-22
ENGINEER: TONY CHEN 07-JAN-22
APPROVED: M.LIPARE 07-JAN-22

REV. 0
ANGLE PROJECTION
N

