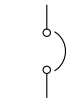
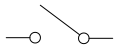
DRAWING GUIDE - APC Smart - UPS with Lithium-Ion Battery

Component /Detail	Description
Drawing Guide	APC Smart-UPS Ultra with Li-Ion Battery, 2-3kW UPS Drawing Guide
UPS Isometric View	APC Smart-UPS Ultra with Li-Ion Battery, 2-3kW UPS Isometric View
UPS General Arrangement	APC Smart-UPS Ultra with Li-Ion Battery, 2-3kW UPS General Arrangement
UPS Rear View	APC Smart-UPS Ultra with Li-Ion Battery, 2-3kW UPS Rear View
System One Line Diagram	APC Smart-UPS Ultra with Li-Ion Battery, 2-3kW UPS System One Line Diagram

LEGEND

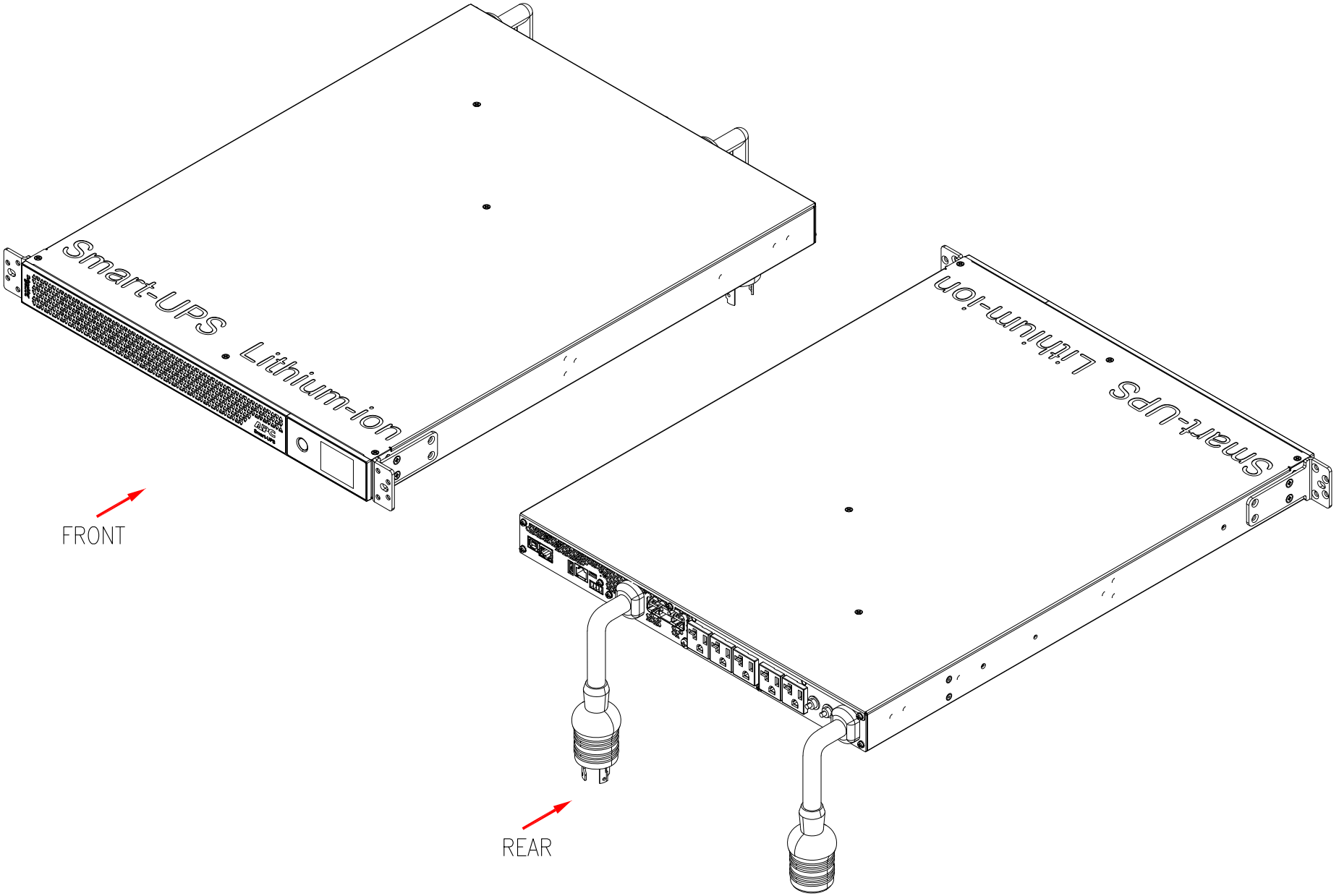
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CIRCUIT BREAKER		DC–AC CONVERTER (INVERTER)
	RELAY		BATTERY
	GND		

Schneider Electric

TITLE: APC Smart-UPS Ultra. Li-Ion Battery
Input: 120VAC, 125VAC (L+N+G), 50-60Hz, 1PH
UPS Output: 120VAC, (L+N+G), 50/60Hz, 1PH
Power: 2 and 3kW UPS
DRAWING GUIDE

PROJECT: DRAWINGS | SHEET 1 OF 5

DWG NO:	SRTL2K3RM1UC-NC		REV. 0
DRAWN BY:	RANJITHA	28-OCT-21	ANGLE PROJECTION
ENGINEER:	JOE WU	05-NOV-21	N.A
APPROVED BY:	HARRY CHEN	05-NOV-21	



UPS–ISOMETRIC VIEW

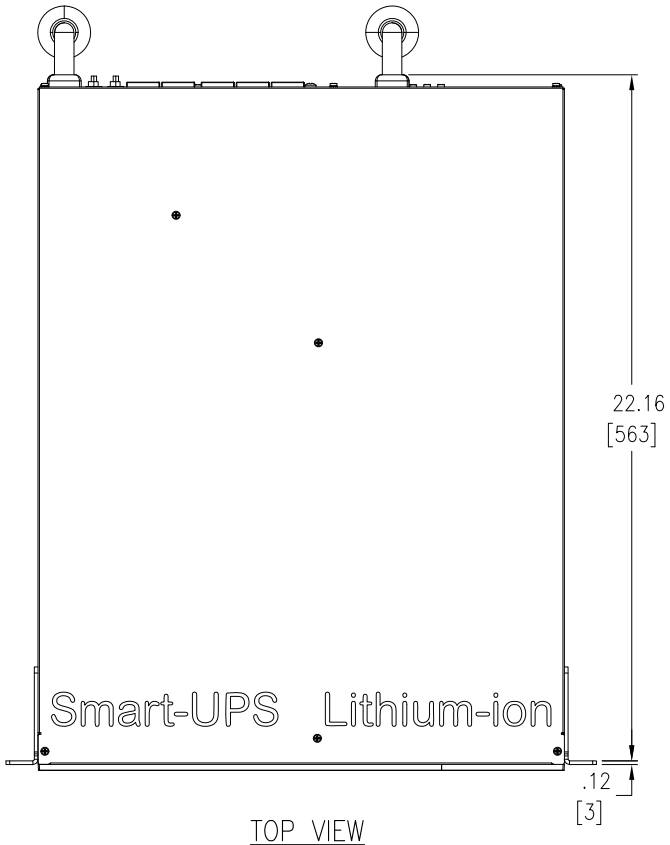
NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.

Schneider Electric

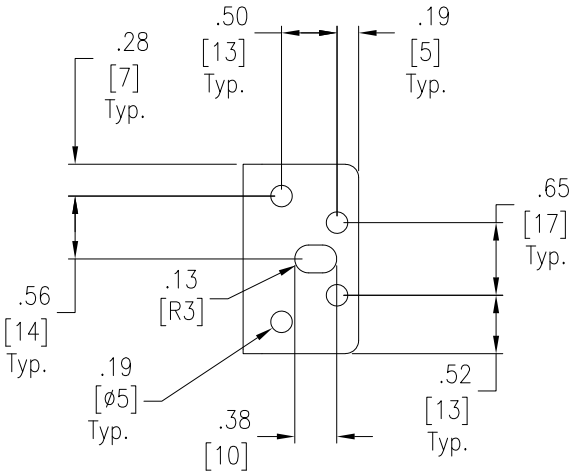
TITLE: APC Smart-UPS Ultra. Li-Ion Battery
Input: 120VAC, 125VAC (L+N+G), 50-60Hz, 1PH
UPS Output: 120VAC, (L+N+G), 50/60Hz, 1PH
Power: 2 and 3kW UPS
UPS-ISOMETRIC VIEW

PROJECT: DRAWINGS | SHEET 2 OF 5

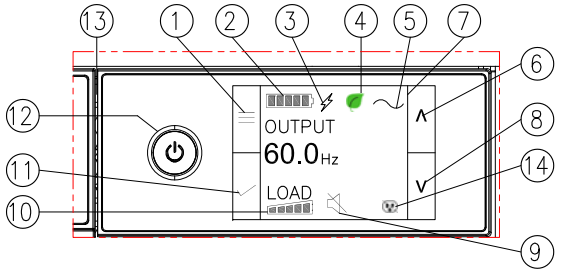
DWG NO:	SRTL2K3RM1UC-NC		REV. 0
DRAWN BY:	RANJITHA	28-OCT-21	THIRD ANGLE PROJECTION
ENGINEER:	JOE WU	05-NOV-21	
APPROVED BY:	HARRY CHEN	05-NOV-21	



TOP VIEW

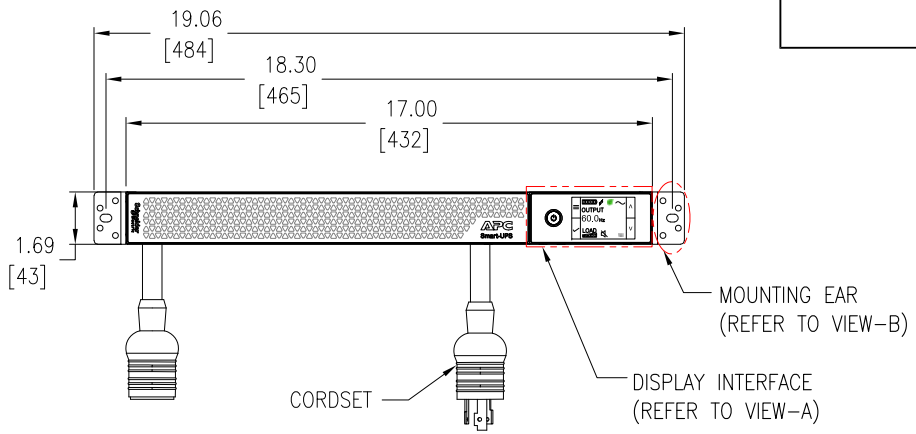


DETAIL–B, MOUNTING EAR
(ENLARGED VIEW)

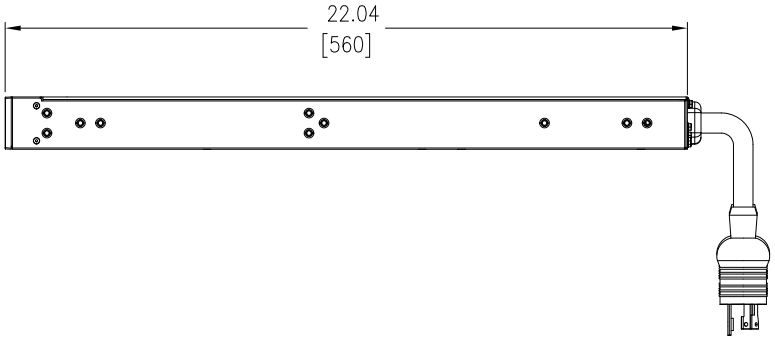


1. MENU key
2. Battery status icon
3. Battery charging icon
4. Green mode icon
5. Operation mode icon
6. UP key
7. UPS status information
8. DOWN key
9. MUTE icon
10. Load icon
11. OK key
12. POWER key with LED
13. Status LED (located on the side of the UPS LCD display interface)
14. Controllable outlet group status icon

DETAIL–A, DISPLAY PANEL
(ENLARGED VIEW)



FRONT VIEW



SIDE VIEW

NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS].
4. CABLE ENTRY IS FROM REAR OF UNIT.
5. WEIGHT OF UNIT IS 35 lb [15.9 kg].

Schneider Electric

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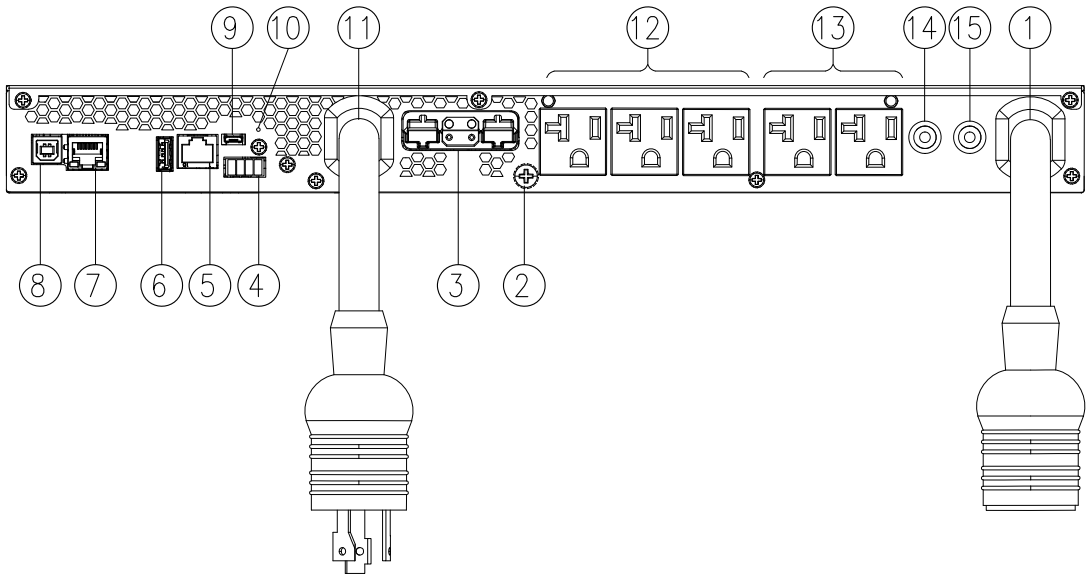
Input: 120VAC, 125VAC (L+N+G), 50-60Hz, 1PH
UPS Output: 120VAC, (L+N+G), 50/60Hz, 1PH
Power: 2 and 3kW UPS
GENERAL ARRANGEMENT

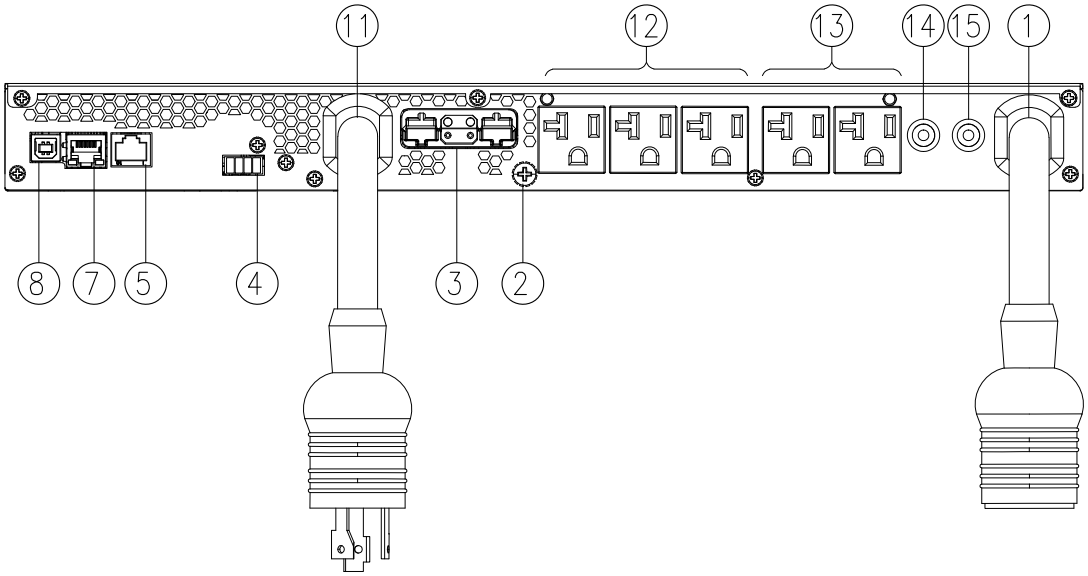
PROJECT: DRAWINGS | SHEET 3 OF 5

DWG NO:	SRTL2K3RM1UC-NC		REV. 0
DRAWN BY:	RANJITHA	28-OCT-21	THIRD ANGLE PROJECTION
ENGINEER:	JOE WU	05-NOV-21	
APPROVED BY:	HARRY CHEN	05-NOV-21	

SRTL3KRM1UNC / SRTL2K2RM1UNC



SRTL3KRM1UC / SRTL2K2RM1UC



1. AC Output Receptacle
2. Chassis Ground Screw
3. External battery connector receptacle (power and communication)
4. EPO terminal
5. Universal I/O port
6. USB port
7. Ethernet port
8. Data port
9. Micro USB port
10. RESET button
11. AC Input Power Cord
12. Main outlet group
13. Switched outlet group
14. Circuit breaker for Main outlet group
15. Circuit breaker for Switched outlet group

NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.

Schneider Electric

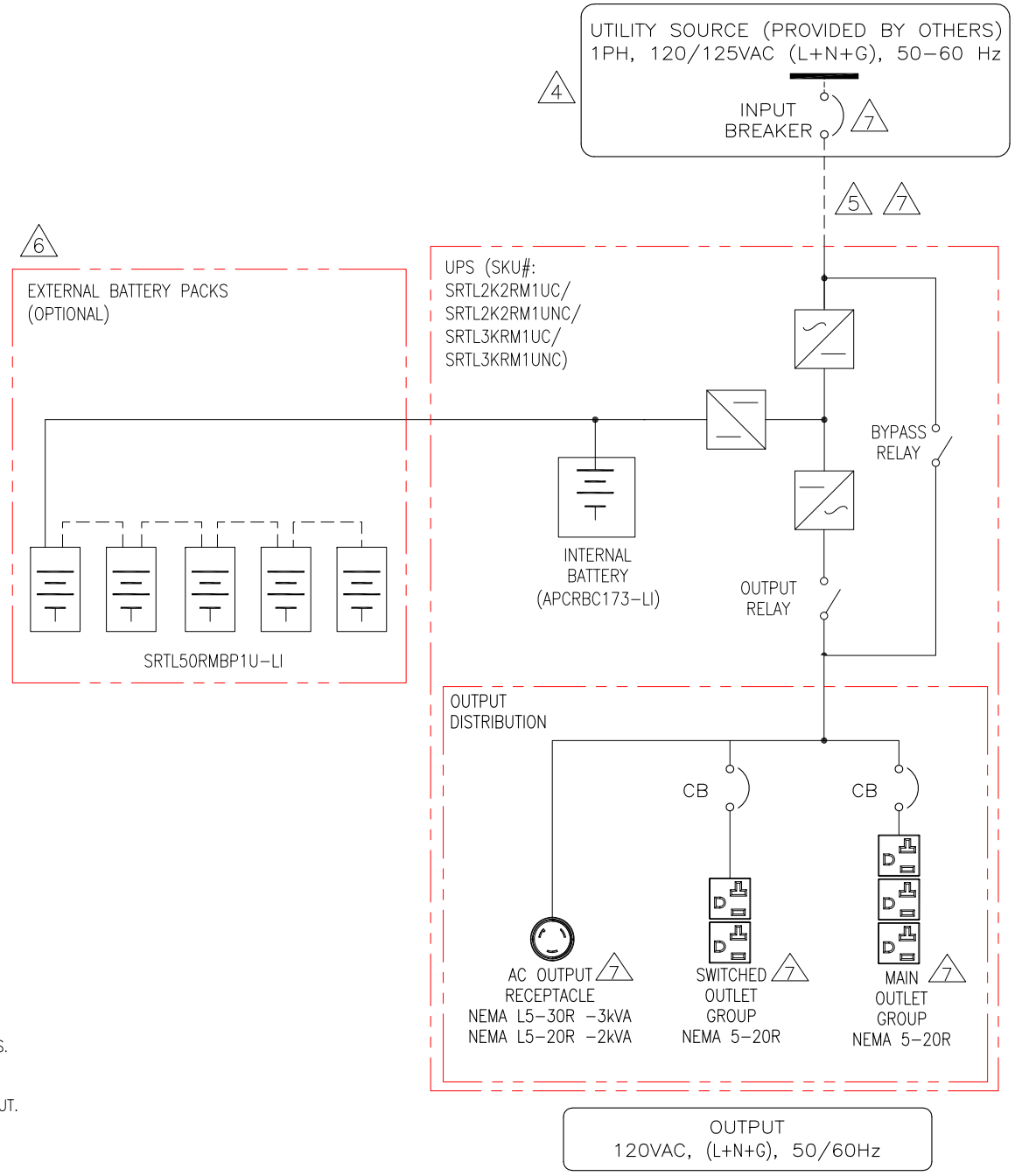
TITLE: APC Smart-UPS Ultra. Li-Ion Battery Input: 120VAC, 125VAC (L+N+G), 50-60Hz, 1PH UPS Output: 120VAC, (L+N+G), 50/60Hz, 1PH Power: 2 and 3kW UPS REAR VIEW	DWG NO: SRTL2K3RM1UC-NC		REV. 0
	DRAWN BY:	RANJITHA	28-OCT-21
	ENGINEER:	JOE WU	05-NOV-21
PROJECT: DRAWINGS SHEET 4 OF 5	APPROVED BY:	HARRY CHEN	05-NOV-21

THIRD ANGLE PROJECTION

△7

TABLE

MODEL	SRTL3KRM1UC SRTL3KRM1UNC	SRTL2K2RM1UC SRTL2K2RM1UNC
Maximum Output Rating	3000VA at 125 V 2880VA at 120 V	2200 VA at 125 V 2200 VA at 120 V
Branch Circuit Overcurrent Rating / Building Circuit (CB) Current Rating	30A	20 A
Nominal Output Voltage	120 V	
Main Outlet Group Connector type	NEMA 5-20R (3)	NEMA 5-20R (3)
AC OUTPUT RECEPTACLE	NEMA L5-30R (1)	NEMA L5-20R (1)
Switched Outlet Group Connector type	NEMA 5-20R (2)	NEMA 5-20R (2)
Input Connector type	NEMA L5-30P	NEMA 5-20P
Nominal Input Voltage	120 V, 125 V	120 V, 125 V
Nominal Input Current	24 A	16 A
Input Voltage Range	85 to 125 V ± 5 V	
Battery:		
Internal RBM	APCRBC173-LI	
Number of RBMs in UPS	1	
Voltage of each RBM	50.4 V	
Ah rating	5.16 Ah	
Compatible XLBP	SRTL50RMBP1U-LI	



NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL AND LOCAL ELECTRICAL REGULATIONS.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. DRAWING DEPICTS POWER SYSTEM CONNECTIONS AND IS NOT REPRESENTATIVE OF PHYSICAL LAYOUT. PLEASE REFER TO MECHANICAL DRAWINGS FOR MORE SPECIFIC PHYSICAL DATA.
△4. UTILITY SOURCE MUST BE 1PH, 120VAC (L+N+G), 50-60Hz PROVIDED BY OTHERS.
△5. DASHED LINES BETWEEN UTILITY SOURCE & THE UNIT REPRESENTS UTILITY POWER CABLE.
△6. A MAXIMUM OF 5 EXTERNAL BATTERY PACKS CAN BE CONNECTED WITH UPS DEPENDING UPON THE RUN TIME REQUIREMENT. FOR EACH BATTERY ADDED, INCREASED RECHARGE TIME WILL BE REQUIRED.
△7. PLEASE REFER THE TABLE FOR DETAILS.
8. SRTL3KRM1UC/SRTL3KRM1UNC, PF=1.0
SRTL2KRM1UC/SRTL2K2RM1UNC, PF=0.85/120V, 0.88/125V.

Schneider Electric

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Input: 120VAC, 125VAC (L+N+G), 50-60Hz, 1PH
UPS Output: 120VAC, (L+N+G), 50/60Hz, 1PH
Power: 2 and 3kW UPS
SYSTEM ONELINE DIAGRAM

PROJECT: DRAWINGS | SHEET 5 OF 5

DWG NO:	SRTL2K3RM1UC-NC		REV. 0
DRAWN BY:	RANJITHA	28-OCT-21	ANGLE PROJECTION
ENGINEER:	JOE WU	05-NOV-21	
APPROVED BY:	HARRY CHEN	05-NOV-21	N.A