

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. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES]
- ⚠️ DRILL/PUNCH HOLES IN PLATE. REMOVE PLATE FROM CABINET BEFORE DRILLING/PUNCHING

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Schneider Electric

TITLE:
Schneider Electric Easy UPS 3L
250kVA/300kVA/400kVA, 400V, 3PH
WITHOUT BATTERY MODULES
TOP & BOTTOM VIEW

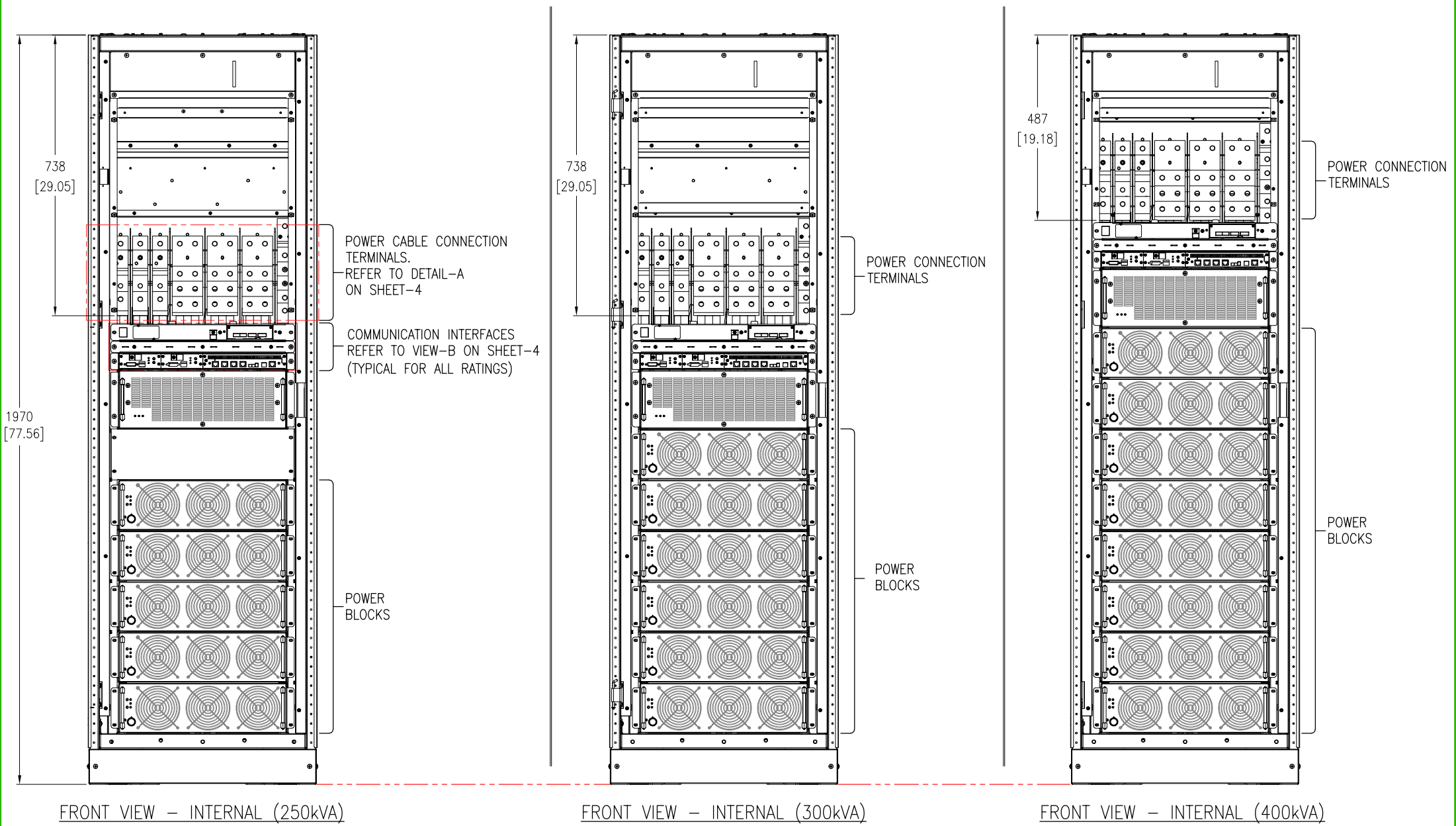
PROJECT: SUBMITTAL DRAWINGS SHEET 2 OF 6

DWG NO: E3LUPS250K400HS

DRAWN: DIBYA/JAYAPRAKASH	12-JUN-24
ENGINEER: Ye Yang	12-JUN-24
APPROVED: Campbell Bai	12-JUN-24

REV. 1

FIRST
ANGLE
PROJECTION



- NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL AND LOCAL ELECTRICAL REGULATIONS.
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Schneider Electric

TITLE:
Schneider Electric Easy UPS 3L
250kVA/300kVA/400kVA, 400V, 3PH
WITHOUT BATTERY MODULES
INTERNAL FRONT AND REAR VIEW

PROJECT: SUBMITTAL DRAWINGS SHEET 3 OF 6

DWG NO: E3LUPS250K400HS

DRAWN: JAYAPRAKASH 24-SEP-20

ENGINEER: Ye Yang 30-SEP-20

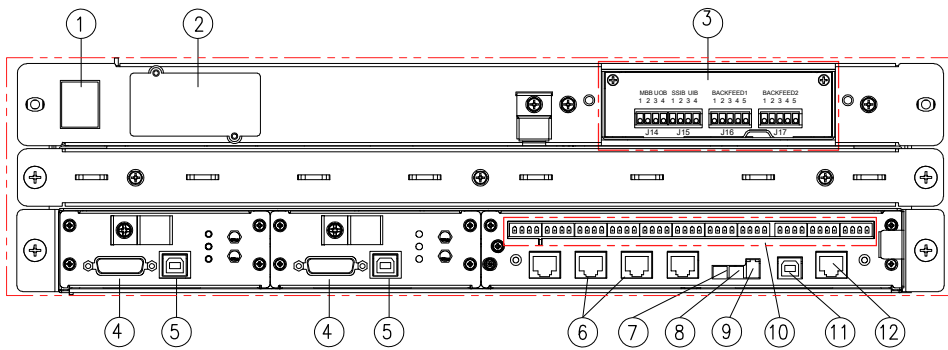
APPROVED: Campbell Bai 30-SEP-20

REV. 0

FIRST

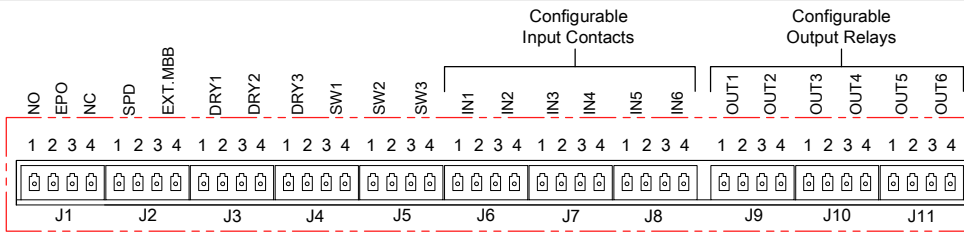
ANGLE

PROJECTION

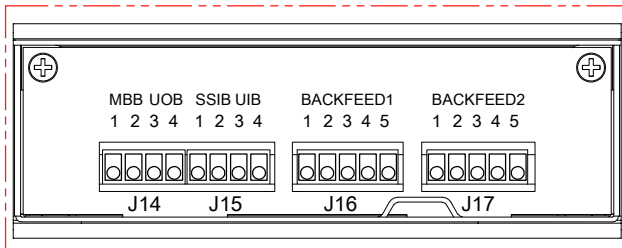


VIEW-B (ENLARGED)

- | | |
|--|--|
| ① SLOT FOR BATTERY COLD START BUTTON (OPTIONAL) | ⑦ BATTERY TEMP. SENSOR TERMINAL |
| ② SLOT FOR SNMP | ⑧ AMBIENT TEMPERATURE SENSOR TERMINAL (INTERNAL USE) |
| ③ AUXILIARY CONTACTS REFER TO VIEW-C FOR DETAILS | ⑨ CAN_R |
| ④ PARALLEL PORT | ⑩ DRY CONTACTS JUNCTION REFER TO VIEW-D FOR DETAILS |
| ⑤ LOAD BUS SYNCHRONIZATION PORT | ⑪ USB PORT (FOR SERVICE) |
| ⑥ RS485 | ⑫ DISPLAY PORT (INTERNAL USE) |



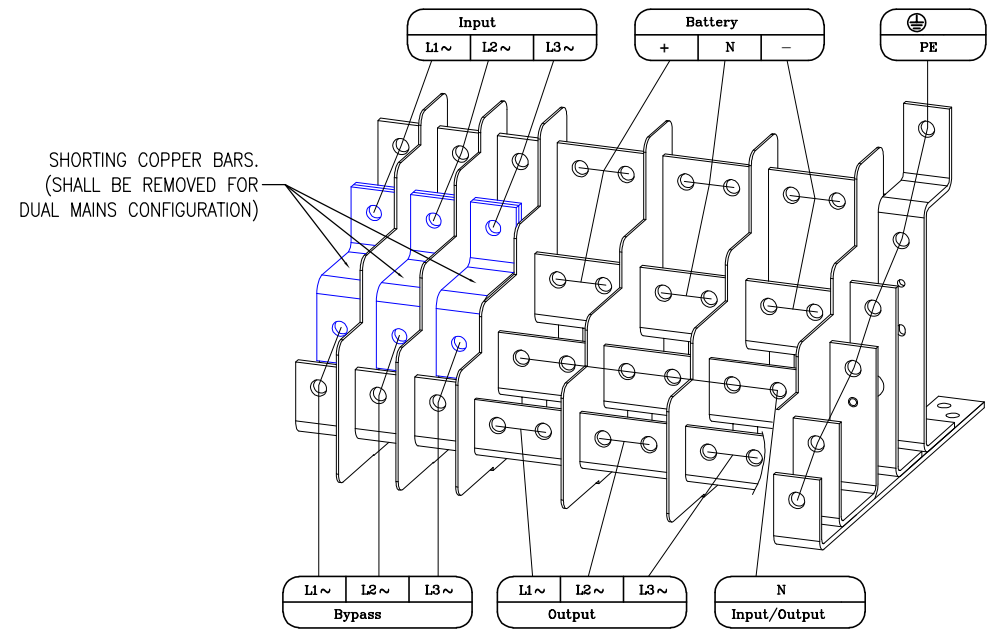
NOTE: These signal cables are Class 2/SELV
VIEW-D (ENLARGED)
DRY CONTACTS



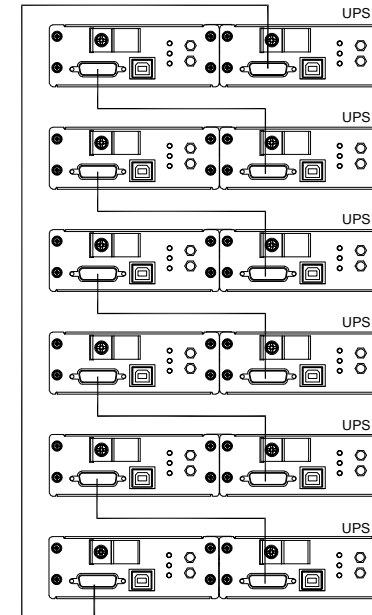
NOTE: These signal cables are non-Class 2/non-SELV.
To use Class 2/SELV signal cables, you can connect the Maintenance Bypass Breaker (MBB) to J2 instead

VIEW-C (ENLARGED)
AUXILIARY CONTACTS

- NOTES:
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 3. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].
 4. UP TO 5+1 NUMBERS OF UPS CAN BE CONNECTED IN PARALLEL.
MAXIMUM PARALLEL COMMUNICATION CABLE LENGTH IS 20meters.



DETAIL-A, DIMETRIC VIEW
POWER CABLE CONNECTIONS



PARALLEL CONNECTION

VERIFY THE SETTINGS OF CAN_R

– FOR PARALLEL SYSTEMS WITH LESS THAN 4 PARALLEL UPSs, CAN_R OF ALL UPSs MUST BE IN ON POSITION.

– FOR PARALLEL SYSTEMS WITH MORE THAN 5 PARALLEL UPSs, CAN_R OF ALL UPSs MUST BE IN OFF POSITION.

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Schneider Electric

TITLE:
Schneider Electric Easy UPS 3L
250kVA/300kVA/400kVA, 400V, 3PH
WITHOUT BATTERY MODULES
ENLARGED VIEWS AND DETAILS

PROJECT: SUBMITTAL DRAWINGS SHEET 4 OF 6

DWG NO: E3LUPS250K400HS

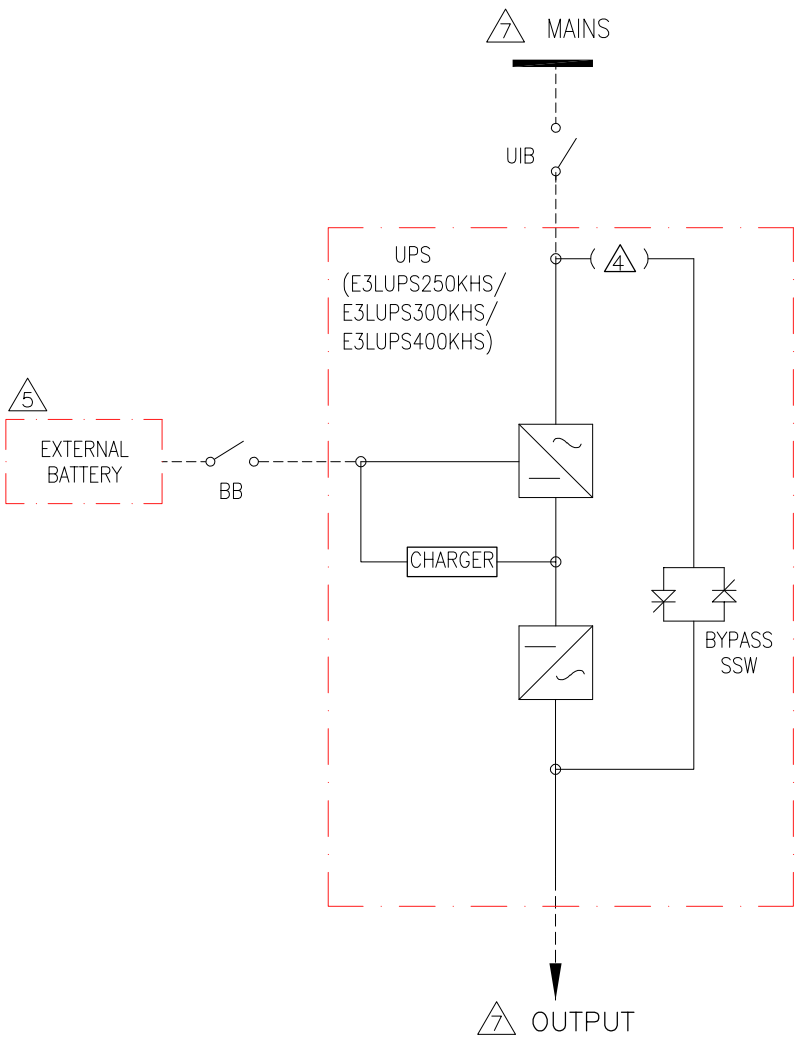
DRAWN: DIBYA/JAYAPRAKASH 12-JUN-24

ENGINEER: Ye Yang 12-JUN-24

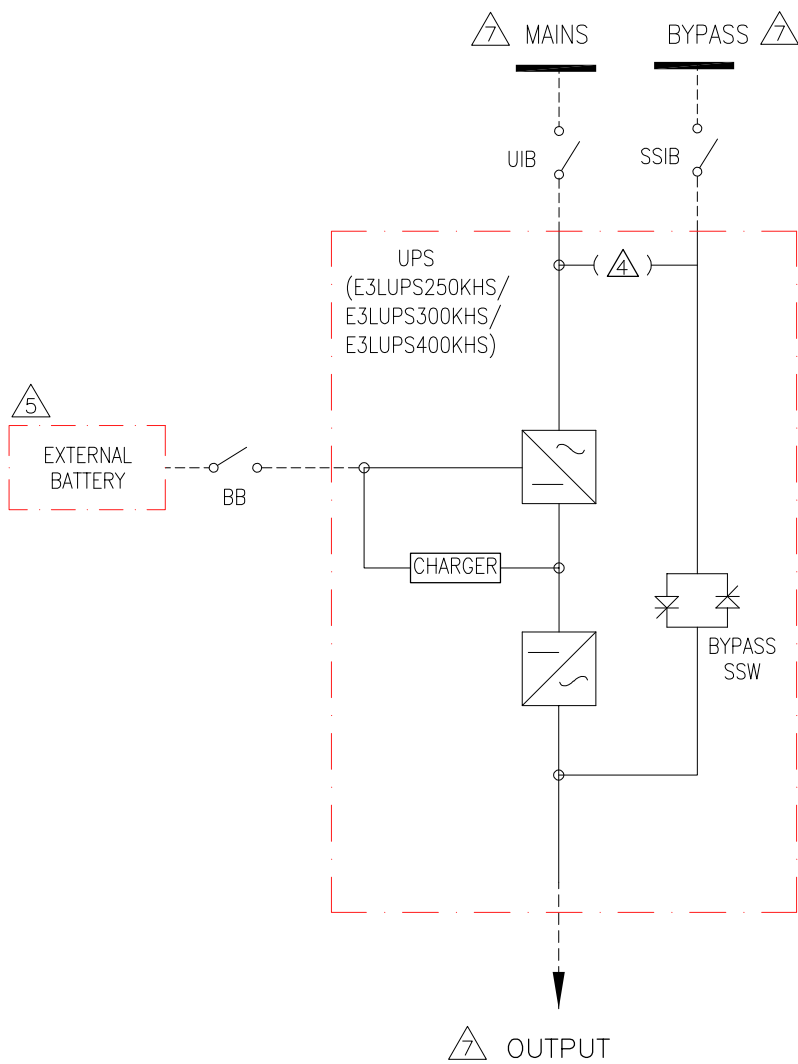
APPROVED: Campbell Bai 12-JUN-24

REV. 1
FIRST ANGLE PROJECTION

SINGLE MAINS CONFIGURATION



DUAL MAINS CONFIGURATION



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 IT IS NOT REPRESENTATIVE OF PHYSICAL LAYOUT.
4. SINGLE MAINS CONFIGURATION IS DEFAULT.
5. FOR DUAL MAINS CONFIGURATION REMOVE THE 3 SHORTING COPPER BARS.
6. BATTERIES CAN BE CONNECTED IN SERIES DEPENDING UPON THE RUNTIME REQUIREMENTS.
7. UP TO 5+1 UPS CAN BE CONNECTED IN PARALLEL.
8. REFER TO SHEET-6 FOR ELECTRICAL DATA.
9. CABLE LUGS ARE PROVIDED BY OTHERS.

LEGEND:

----- CABLE PROVIDED BY OTHERS

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TITLE:
Schneider Electric Easy UPS 3L
250kVA/300kVA/400kVA, 400V, 3PH
WITHOUT BATTERY MODULES
SYSTEM ONLINE DIAGRAM

PROJECT: SUBMITTAL DRAWINGS SHEET 5 OF 6

DWG NO: E3LUPS250K400HS

DRAWN: JAYAPRAKASH 24-SEP-20

ENGINEER: Ye Yang 30-SEP-20

APPROVED: Compbell Bai 30-SEP-20

REV. 0

ANGLE

PROJECTION

N.A

ELECTRICAL DATA SHEET									
INPUT SPECIFICATIONS									
UPS RATING	250kVA			300kVA			400kVA		
CONNECTIONS	L1, L2, L3, N, PE								
INPUT VOLTAGE RANGE (V)	323 - 477 (FULL LOAD)								
FREQUENCY RANGE (Hz)	40 - 70								
VOLTAGE (V)	380	400	415	380	400	415	380	400	415
NOMINAL INPUT CURRENT (A)	404	384	370	485	461	444	647	614	592
MAXIMUM INPUT CURRENT (A)	474	451	434	568	540	520	757	719	693
INPUT CURRENT LIMITATION (A)	600			720			960		
MAXIMUM INPUT SHORTCIRCUIT RATING (kA)	Icc=35								
BYPASS SPECIFICATIONS									
CONNECTIONS	L1, L2, L3, N, PE								
VOLTAGE (V)	380	400	415	380	400	415	380	400	415
MINIMUM BYPASS VOLTAGE (V)	209	221	228	209	221	228	209	221	228
MAXIMUM BYPASS VOLTAGE (V)	475	480	477	475	480	477	475	480	477
NOMINAL BYPASS CURRENT (A)	384	364	351	460	437	422	614	583	562
BYPASS FREQUENCY (Hz)	50 OR 60								
MAXIMUM SHORT CIRCUIT RATING (kA)	Icc=35								
OUTPUT SPECIFICATIONS									
CONNECTIONS	L1, L2, L3, N, PE								
VOLTAGE (V)	380	400	415	380	400	415	380	400	415
NOMINAL OUTPUT CURRENT (A)	380	361	348	456	433	417	608	577	556
OUTPUT FREQUENCY (Hz)	50 OR 60								
OUTPUT VOLTAGE REGULATION	±1%								
BATTERY SPECIFICATIONS									
MAXIMUM CHARGING POWER (kW)	60			72			96		
NOMINAL BATTERY VOLTAGE (VDC)	±216 to ±300								
NOMINAL FLOAT VOLTAGE (VDC)	±243 to ±337.5								
END OF DISCHARGE VOLTAGE (FULL LOAD) (VDC)	±172.8 to ±240								
BATTERY CURRENT AT FULL LOAD AND NOMINAL BATTERY VOLTAGE (A)	615-443			738-531			985-709		
BATTERY CURRENT AT FULL LOAD AND MINIMUM BATTERY VOLTAGE (A)	769-554			923-664			1231-886		
NOTE: THE UPS SUPPORTS 36 - 50 BATTERY BLOCKS									

RECOMMENDED CABLE SIZES 250kVA UPS			
	CABLE SIZE PER PHASE (mm²)	NEUTRAL CABLE SIZE (mm²)	PE CABLE SIZE (mm²)
INPUT	2 x 120	2 x 120	120
BYPASS	2 x 120	2 x 120	120
OUTPUT	2 x 120	2 x 120	120
BATTERY	2 x 185	2 x 185	185

RECOMMENDED CABLE SIZES 300kVA UPS			
	CABLE SIZE PER PHASE (mm²)	NEUTRAL CABLE SIZE (mm²)	PE CABLE SIZE (mm²)
INPUT	2 x 150	2 x 150	150
BYPASS	2 x 150	2 x 150	150
OUTPUT	2 x 150	2 x 150	150
BATTERY	2 x 240	2 x 240	240

RECOMMENDED CABLE SIZES 400kVA UPS			
	CABLE SIZE PER PHASE (mm²)	NEUTRAL CABLE SIZE (mm²)	PE CABLE SIZE (mm²)
INPUT	2 x 240	2 x 240	240
BYPASS	2 x 240	2 x 240	240
OUTPUT	2 x 240	2 x 240	240
BATTERY	4 x 150	4 x 150	2 x 150

NOTE: BATTERY CABLES ARE SIZED ACCORDING TO 36 BATTERY BLOCKS

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TITLE:
Schneider Electric Easy UPS 3L
250kVA/300kVA/400kVA, 400V, 3PH
WITHOUT BATTERY MODULES
ELECTRICAL DATA
PROJECT: SUBMITTAL DRAWINGS SHEET 6 OF 6

DWG NO: E3LUPS250K400HS
DRAWN: JAYAPRAKASH
ENGINEER: Ye Yang
APPROVED: Compbell Bai

REV. 0
24-SEP-20
30-SEP-20
30-SEP-20
ANGLE PROJECTION
N.A