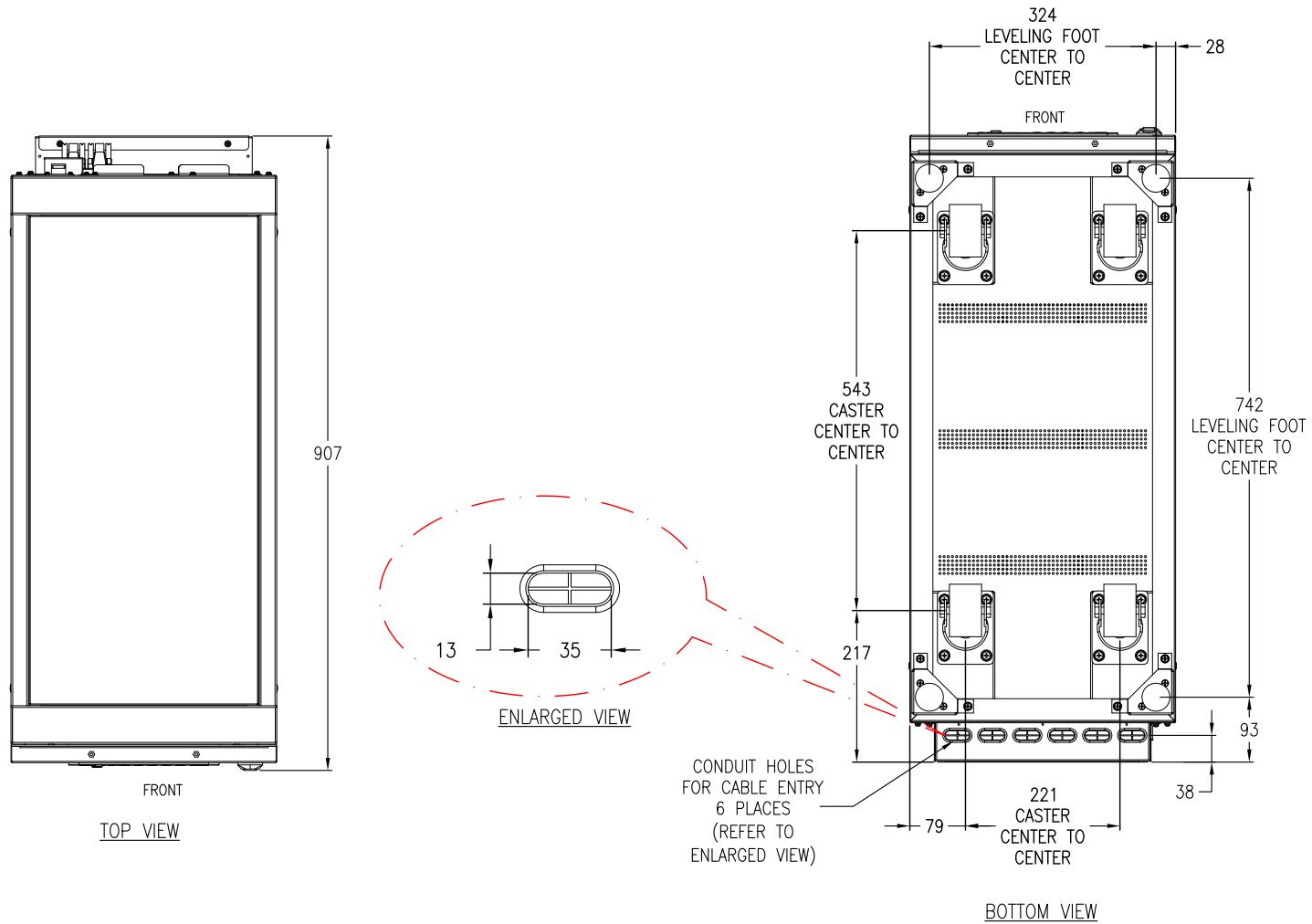


- NOTES:**
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL AND LOCAL ELECTRICAL REGULATIONS.
  2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
  3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
  4. NET WEIGHT OF THE UNIT WITHOUT BATTERY IS 122kg. NET WEIGHT OF 1 BATTERY UNIT IS 27kg.
  5. FRONT, REAR AND SIDE SERVICE/VENTILATION CLEARANCE REQUIRED.
  6. COLOR: RAL 9003.
  7. OPERATING TEMPERATURE: 0°C MIN. TO 40°C MAX.
  8. PROTECTION CLASS: IP20

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TITLE: Schneider Electric Easy UPS 3S CIA, HIGH TOWER 20kVA, 400V, 3PH WITH BATTERY MODULES GENERAL ARRANGEMENT	DWG NO: E3SUPS20KHB	REV.
PROJECT: SUBMITTAL DRAWINGS SHEET 1 OF 7	DRAWN: JAYAPRAKASH	08-FEB-18
	ENGINEER: COMPBELL BAI	19-MAR-18
	APPROVED: FRANK ZHANG	19-MAR-18
		FIRST ANGLE PROJECTION



- NOTES:**
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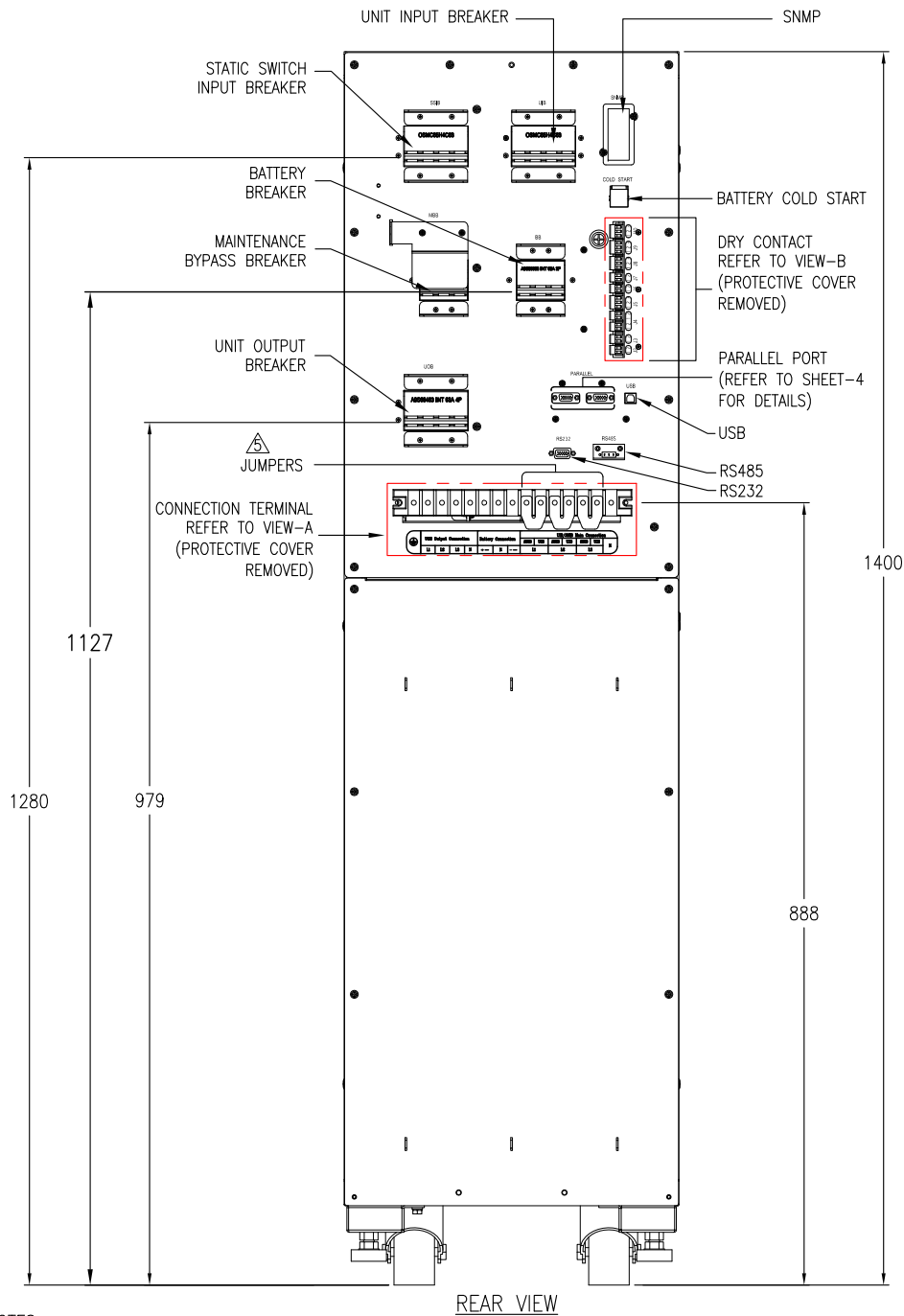
TITLE: Schneider Electric Easy UPS 3S  
CIA, HIGH TOWER  
20kVA, 400V, 3PH  
WITH BATTERY MODULES  
BOTTOM VIEWS

PROJECT: SUBMITTAL DRAWINGS SHEET 2 OF 7

DWG NO: E3SUPS20KHB

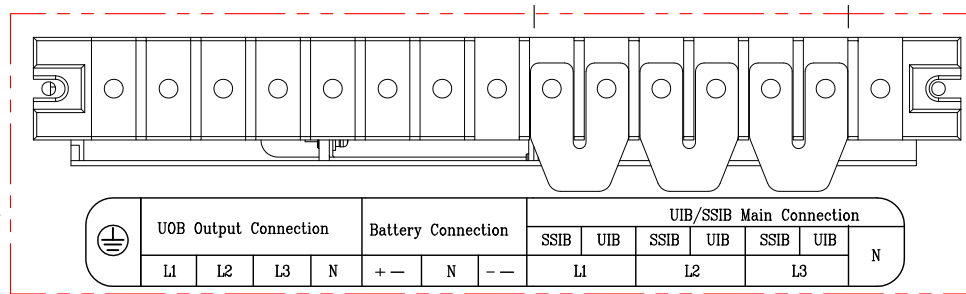
DRAWN:	JAYAPRAKASH	08-FEB-18
ENGINEER:	COMPBELL BAI	19-MAR-18
APPROVED:	FRANK ZHANG	19-MAR-18

REV. FIRST ANGLE PROJECTION

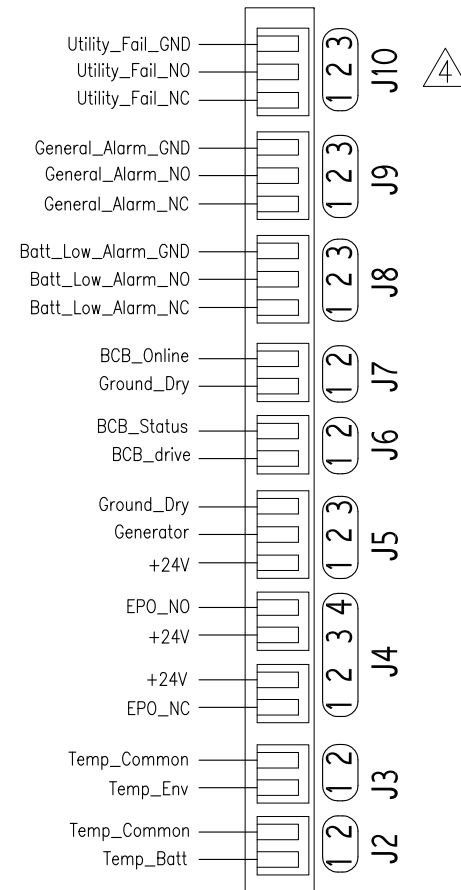


REAR VIEW

- 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 UNLESS OTHERWISE SPECIFIED.
  - △4. J10 IS RESERVED FOR EXTERNAL BACKFEED PROTECTION.
  - △5. SINGLE MAINS CONFIGURATION IS DEFAULT. REMOVE JUMPERS FOR DUAL MAINS.



VIEW-A (ENLARGED)  
CONNECTION TERMINALS



VIEW-B (ENLARGED)  
DRY CONTACT INTERFACE (ENLARGED VIEW)

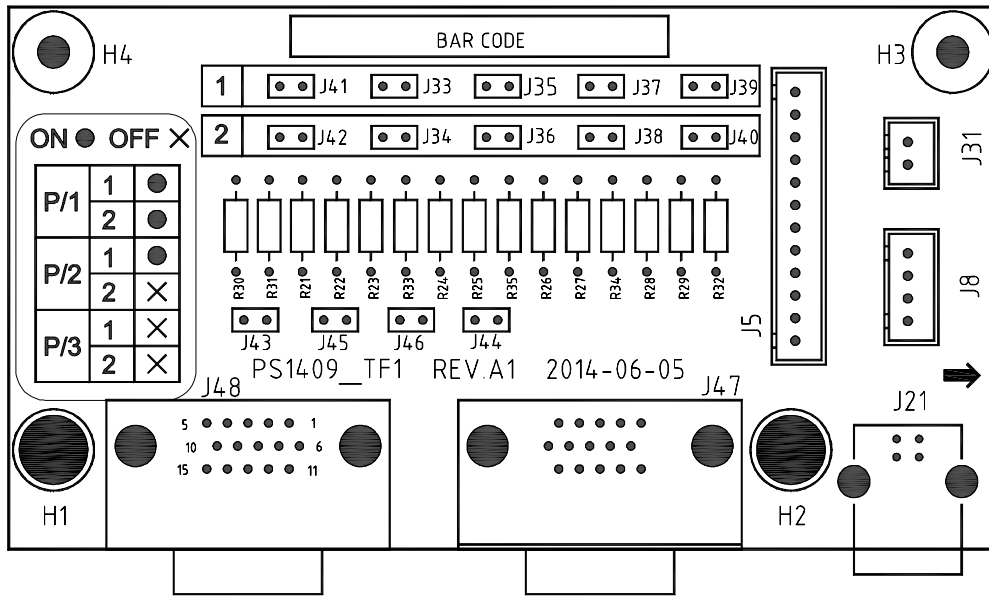
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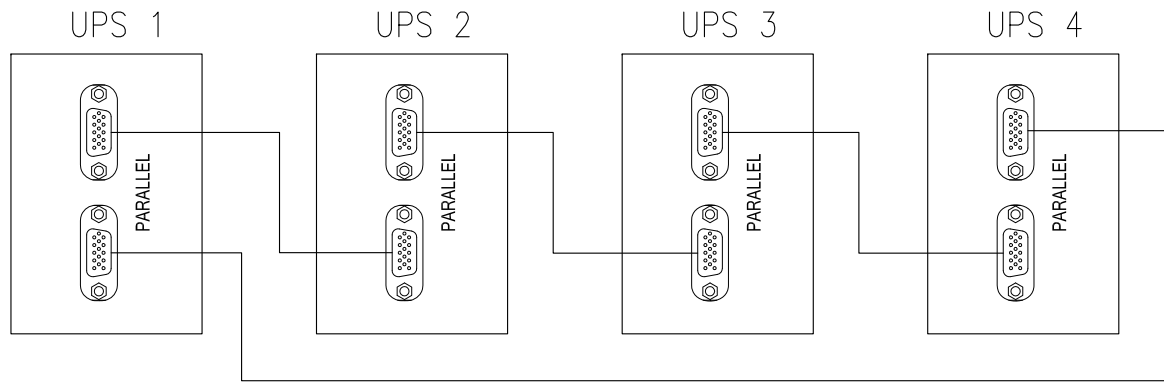
TITLE: Schneider Electric Easy UPS 3S  
CLA, HIGH TOWER  
20kVA, 400V, 3PH  
WITH BATTERY MODULES  
REAR VIEW AND DETAILS

PROJECT: SUBMITTAL DRAWINGS SHEET 3 OF 7

DWG NO: E3SUPS20KHB REV.  
DRAWN: JAYAPRAKASH 08-FEB-18 FIRST ANGLE PROJECTION  
ENGINEER: COMPBELL BAI 19-MAR-18  
APPROVED: FRANK ZHANG 19-MAR-18



△ 5 PARALLEL BOARD



PARALLEL CONNECTION

- 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 UNLESS OTHERWISE SPECIFIED.
  4. UP TO 4 NUMBERS OF UPS CAN BE CONNECTED IN PARALLEL. MAXIMUM COMMUNICATION CABLE LENGTH IS 5 Meters.

- △ 5. PARALLEL BOARD SETTINGS:
- REMOVE JUMPERS FROM THE PARALLEL BOARD ACCORDING TO YOUR SYSTEM:
- a. IN PARALLEL SYSTEM WITH TWO UPSs, REMOVE JUMPERS FROM J34, J36, J38, J40 AND 42 ON BOTH BOARDS
  - b. IN PARALLEL SYSTEM WITH THREE AND FOUR UPSs, REMOVE ALL JUMPERS.

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TITLE: Schneider Electric Easy UPS 3S  
CIA, HIGH TOWER  
20kVA, 400V, 3PH  
WITH BATTERY MODULES  
PARALLEL CONNECTION

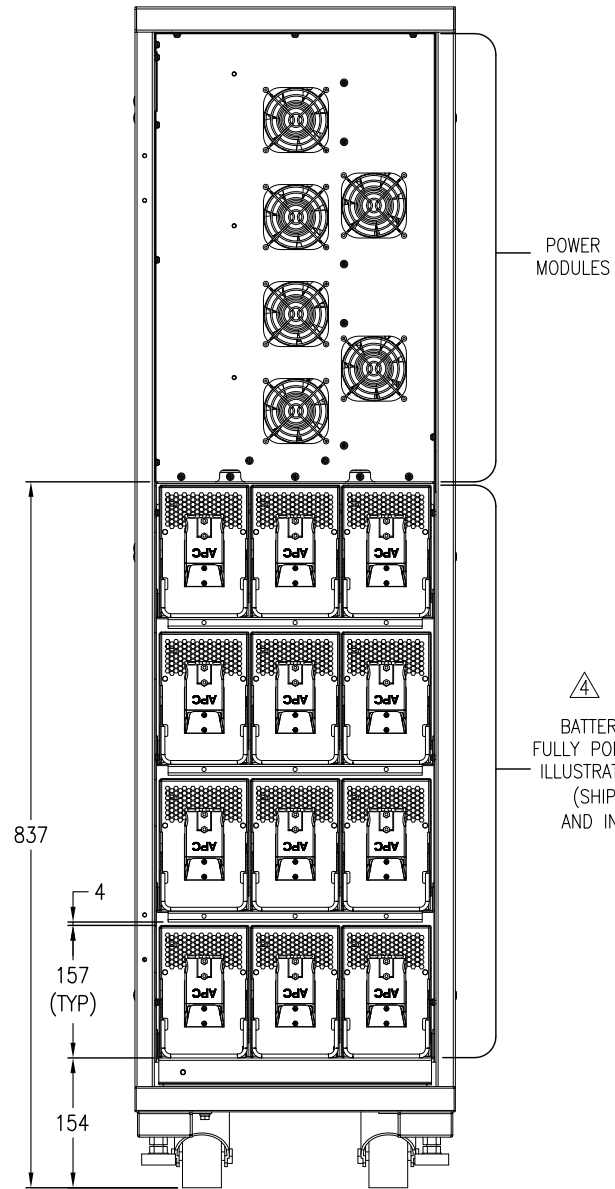
DWG NO: E3SUPS20KHB REV.

DRAWN: JAYAPRAKASH 08-FEB-18 FIRST ANGLE PROJECTION


ENGINEER: COMPBELL BAI 19-MAR-18

PROJECT: SUBMITTAL DRAWINGS SHEET 4 OF 7

APPROVED: FRANK ZHANG 19-MAR-18



POWER  
MODULES

  
BATTERY UNITS (E3SBTU)  
FULLY POPULATED. SHOWN FOR  
ILLUSTRATION PURPOSE ONLY.  
(SHIPPED SEPARATELY  
AND INSTALLED ON SITE)

837

4

157  
(TYP)

154

10kVA FRONT VIEW  
(INTERNAL)

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 UNLESS OTHERWISE SPECIFIED.
- △4. BATTERY UNIT (E3SBTU) IS NOT PART OF THIS SKU.

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TITLE: Schneider Electric Easy UPS 3S  
CIA, HIGH TOWER  
20kVA, 400V, 3PH  
WITH BATTERY MODULES  
INTERNAL VIEW

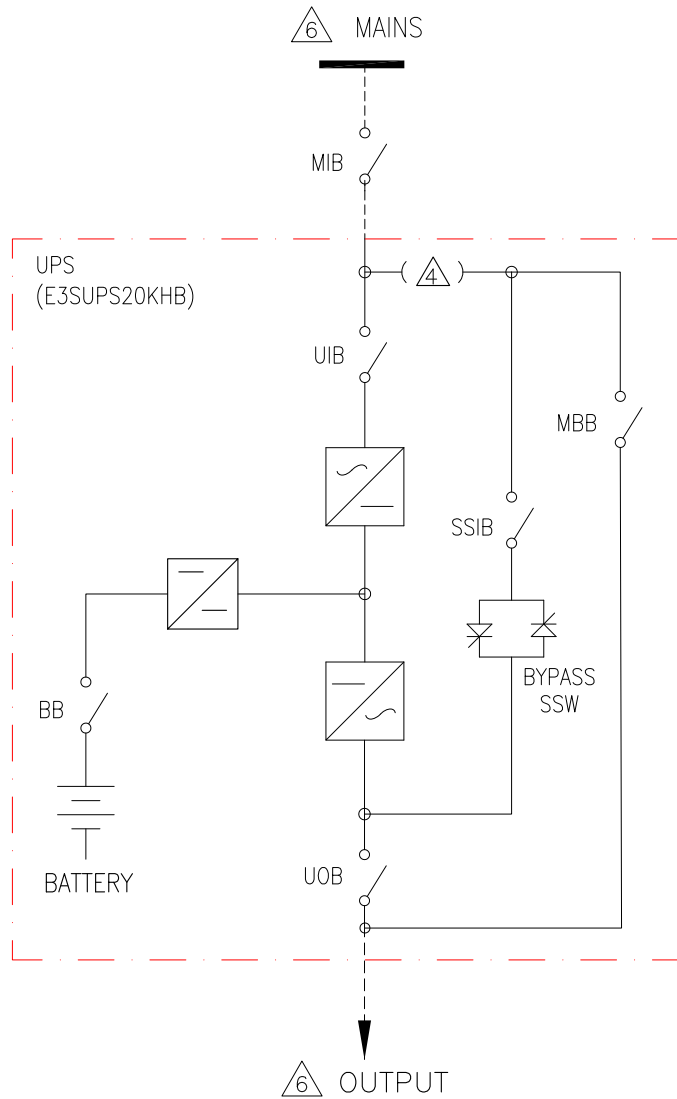
DWG NO: E3SUPS20KHB REV.

DRAWN:	JAYAPRAKASH	08-FEB-18	FIRST
ENGINEER:	COMPBELL BAI	19-MAR-18	ANGLE

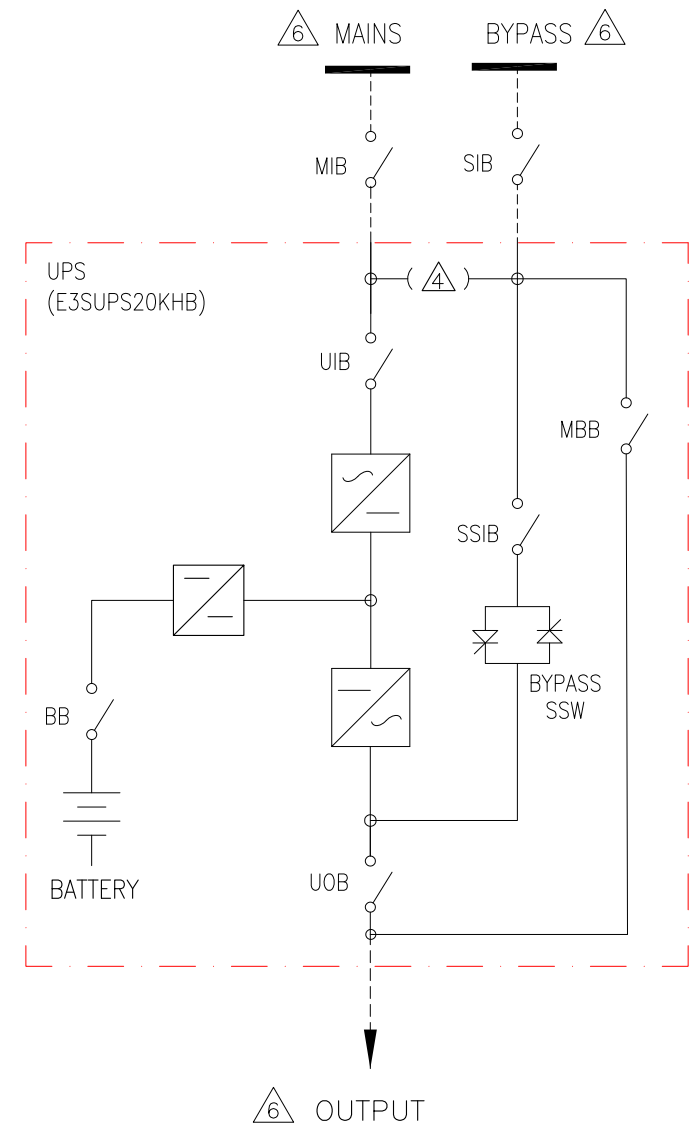
APPROVED:	FRANK ZHANG	19-MAR-18	PROJECTION
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PROJECT: SUBMITTAL DRAWINGS SHEET 5 OF 7

# SINGLE MAINS CONFIGURATION



# DUAL MAINS CONFIGURATION



## LEGEND:

----- CABLE PROVIDED BY OTHERS

- 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 NOT IS NOT REPRESENTATIVE OF PHYSICAL LAYOUT.
  4. SINGLE MAINS CONFIGURATION IS DEFAULT.  
FOR DUAL MAINS CONFIGURATION REMOVE THE 3 SHORTING STRAPS/WIRES.
  5. UP TO 4 UPS CAN BE CONNECTED IN PARALLEL.
  6. REFER TO SHEET-7 FOR ELECTRICAL DATA.
  7. CABLE LUGS ARE PROVIDED BY OTHERS.

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**Schneider Electric**

TITLE: Schneider Electric Easy UPS 3S  
CLA, HIGH TOWER  
20kVA, 400V, 3PH  
WITH BATTERY MODULES  
SYSTEM ONLINE DIAGRAM

DWG NO: E3SUPS20KHB

DRAWN: JAYAPRAKASH 08-FEB-18  
ENGINEER: COMPBELL BAI 19-MAR-18

PROJECT: SUBMITTAL DRAWINGS SHEET 6 OF 7

APPROVED: FRANK ZHANG 19-MAR-18

REV.  
FIRST ANGLE PROJECTION

ELECTRICAL DATA SHEET	
UPS RATING	20kVA
<b>INPUT SPECIFICATIONS</b>	
INPUT VOLTAGE	380V/400V/415V
NOMINAL INPUT CURRENT (A)	32/31/30
MAXIMUM INPUT CURRENT (A)	38/37/36
INPUT CURRENT LIMITATION (A)	44/42/41
INPUT FREQUENCY	45-65Hz
INPUT WIRING	3P+N+PE
INPUT THDI	< 3%@ 10kVA, < 4%@ 15-40kVA
<b>BYPASS SPECIFICATIONS</b>	
BYPASS VOLTAGE	380V/400V/415V
MINIMUM BYPASS VOLTAGE	304/320/332
MAXIMUM BYPASS VOLTAGE	437/460/477
NOMINAL BYPASS CURRENT (A)	30/29/28
BYPASS FREQUENCY	50/60Hz
BYPASS WIRING	3P+N+PE
<b>OUTPUT SPECIFICATIONS</b>	
OUTPUT VOLTAGE	380V/400V/415V
NOMINAL OUTPUT CURRENT (A)	30/29/28
OUTPUT FREQUENCY	50/60Hz
OUTPUT WIRING	3P+N+PE
OUTPUT THDU	<3%@ 100% LINEAR LOAD, < 5.5%@ 100% NON-LINEAR LOAD
<b>BATTERY SPECIFICATIONS</b>	
CHARGING POWER	PROGRAMMABLE FROM 1% TO 20% OF UPS CAPACITY. DEFAULT IS 10%
MAXIMUM CHARGING POWER (W)	4000
NOMINAL BATTERY VOLTAGE (VDC)	+/-240
NOMINAL FLOAT VOLTAGE (VDC)	+/-270
END OF DISCHARGE VOLTAGE (FULL LOAD) (VDC)	+/-198
BATTERY CURRENT AT FULL LOAD AND NOMINAL BATTERY VOLTAGE (A)	44
BATTERY CURRENT AT FULL LOAD AND MINIMUM BATTERY VOLTAGE (A)	54
RIPPLE CURRENT	<5% C10
MAXIMUM SHORT CIRCUIT WITHSTAND	Icc=10kA
<b>RECOMMENDED CABLE SIZES</b>	
INPUT CABLE SIZE (mm2)	10
BYPASS CABLE SIZE (mm2)	10
OUTPUT CABLE SIZE (mm2)	10
BATTERY INPUT CABLE SIZE (mm2)	25
PE CABLE SIZE (mm2)	10

**NOTES:**

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TITLE: Schneider Electric Easy UPS 3S  
CIA, HIGH TOWER  
20kVA, 400V, 3PH  
WITH BATTERY MODULES  
ELECTRICAL DATA SHEET

DWG NO: E3SUPS20KHB REV.

DRAWN: JAYAPRAKASH	08-FEB-18	FIRST ANGLE
ENGINEER: COMPBELL BAI	19-MAR-18	PROJECTION

PROJECT: SUBMITTAL DRAWINGS SHEET 7 OF 7

APPROVED: FRANK ZHANG 19-MAR-18