

NOTES:

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2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. ALL DIMENSIONS ARE IN MILLIMETERS.
- △4. CLEARANCE DIMENSIONS ARE RECOMMENDED FOR AIRFLOW AND SERVICE ACCESS ONLY. CONSULT WITH LOCAL SAFETY CODES AND STANDARDS FOR ADDITIONAL REQUIREMENTS IN YOUR AREA.
5. CABLE ENTRY IS FROM BOTTOM/BOTTOM-REAR/BOTTOM-SIDES OF THE UNIT.
6. OPERATING TEMPERATURE: 0°C TO 40°C [32°F TO 104°F].
7. PROTECTION CLASS: IP31.
8. COLOR: RAL 7035.
- △9. FOR HEAT DISSIPATION, WEIGHT DATA AND CENTER OF GRAVITY DETAILS REFER TO SHEET-2.

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Schneider Electric

TITLE: Galaxy PW 2nd Gen
UPS 50/60/80kVA
Input: 380/400/415V, 3PH, 50Hz, SINGLE/DUAL MAINS
Output: 220/230/240V, 1PH, 50Hz
GENERAL ARRANGEMENT

DWG NO: EPWUPS50K80U12PTS

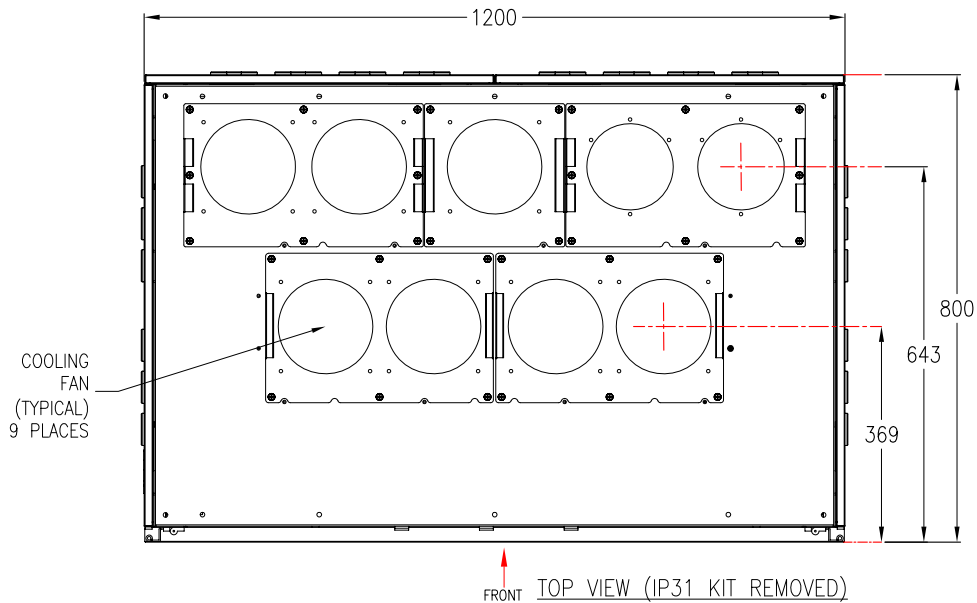
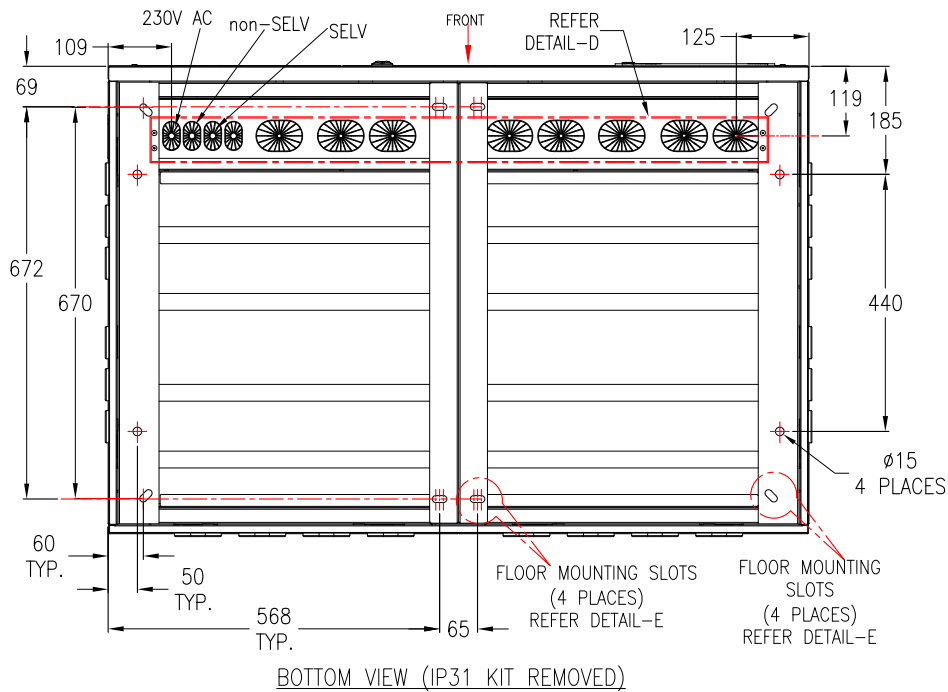
DRAWN: BALA 13-SEP-20

ENGINEER: XIANG REN 18-SEP-20

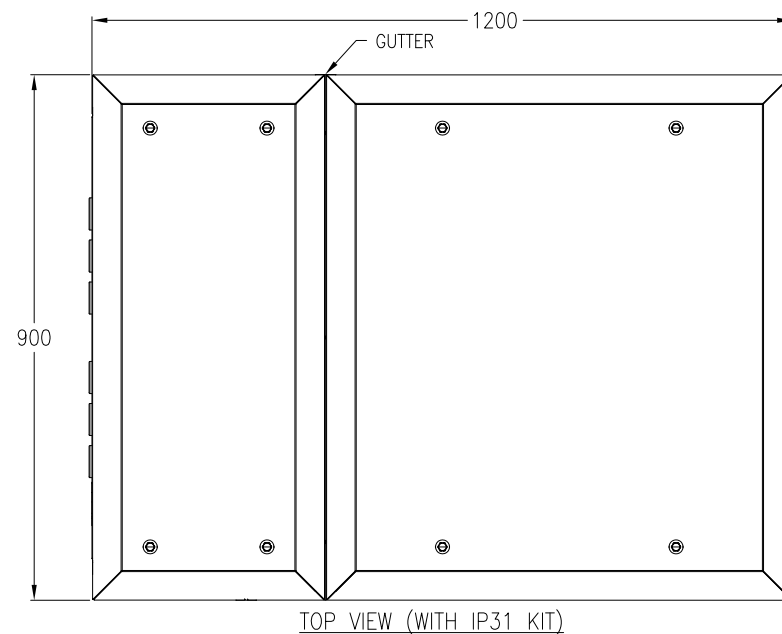
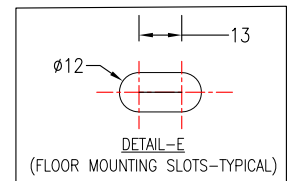
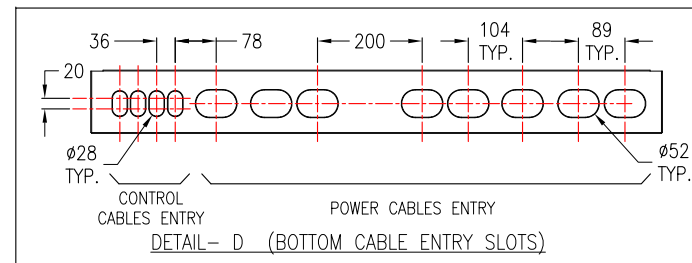
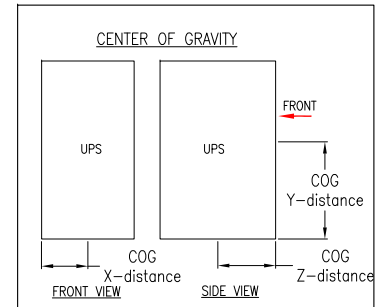
APPROVED: XIANG REN 18-SEP-20

REV: 0

FIRST ANGLE PROJECTION



CENTER OF GRAVITY AND WEIGHT DATA $\triangle 5$						HEAT DISSIPATION (W)		
UPS SKU NUMBER	RATING (kVA)	CENTER OF GRAVITY DISTANCE IN MILLIMETERS			WEIGHT (kg)	NORMAL OPERATION	BATTERY OPERATION	ECO MODE
		X	Y	Z				
EPWUPS50KU12PTS	50	535	405	723	876	7250	950	1700
EPWUPS60KU12PTS	60							
EPWUPS80KU12PTS	80	541	406	718	1000	9470	1230	2100



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 4. SOME STRUCTURAL DETAILS HAVE BEEN OMITTED FOR THE PURPOSE OF CLARITY.
- $\triangle 5$. THIS INFORMATION PROVIDES APPROXIMATE CENTER OF GRAVITY CALCULATION.

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Schneider Electric

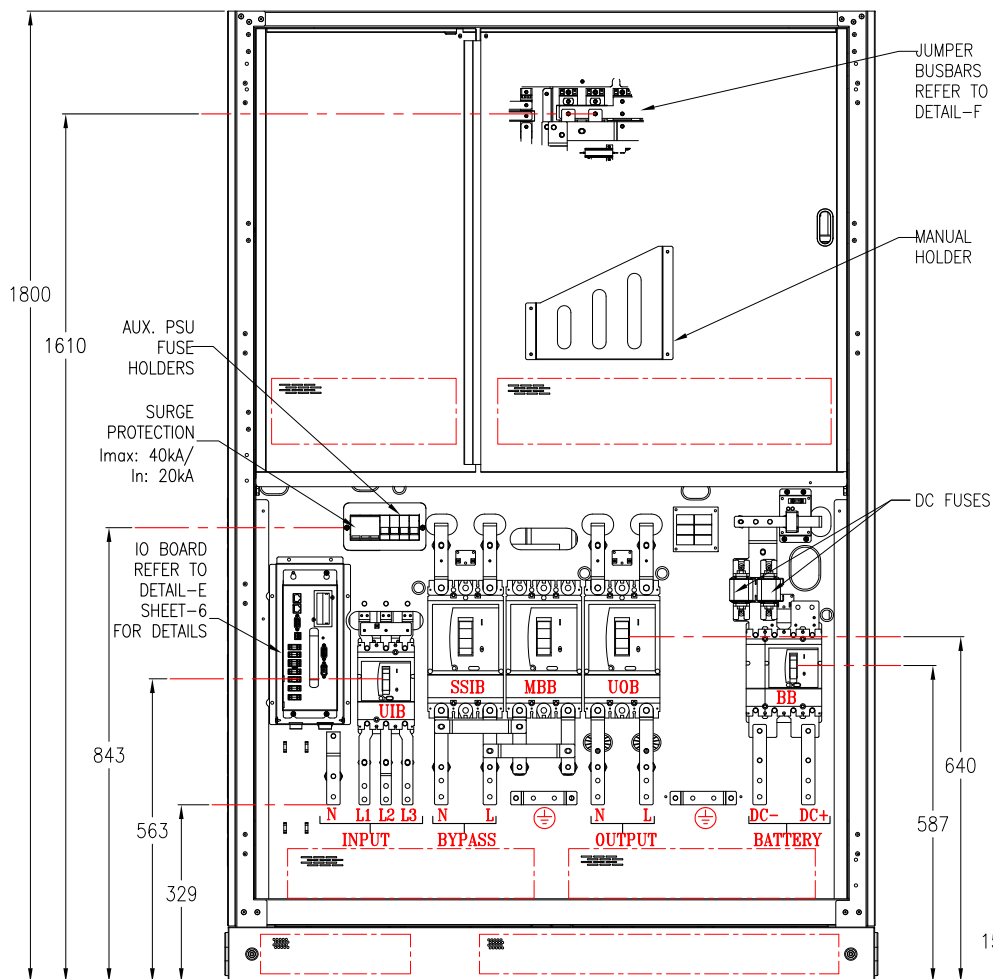
TITLE: Galaxy PW 2nd Gen
UPS 50/60/80kVA
Input: 380/400/415V, 3PH, 50Hz, SINGLE/DUAL MAINS
Output: 220/230/240V, 1PH, 50Hz
TOP AND BOTTOM VIEWS

PROJECT: SUBMITTAL DRAWINGS SHEET 2 OF 7

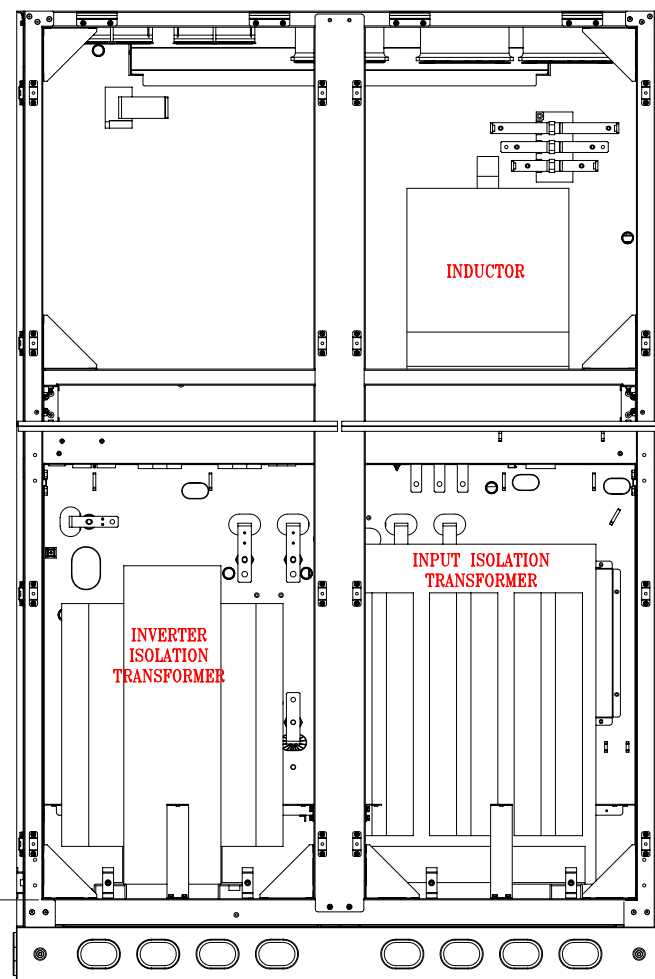
DWG NO: EPWUPS50K80U12PTS

DRAWN: BALA	13-SEP-20	FIRST ANGLE PROJECTION
ENGINEER: XIANG REN	18-SEP-20	
APPROVED: XIANG REN	18-SEP-20	

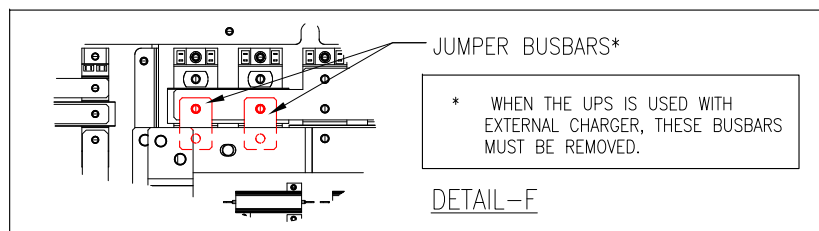
REV. 0



INTERNAL FRONT VIEW

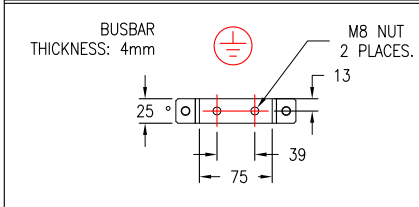
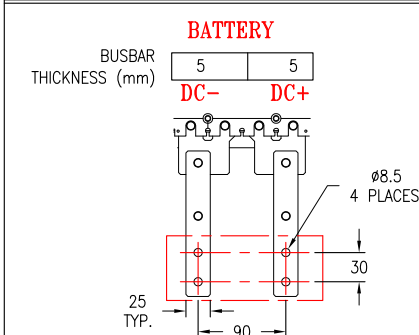
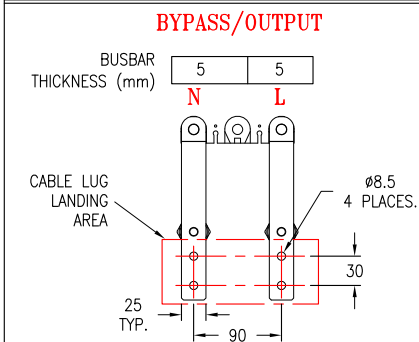
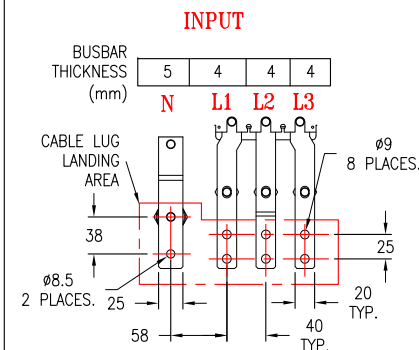


INTERNAL REAR VIEW



DETAIL-F

INTERFACE BUSBARS



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Schneider Electric

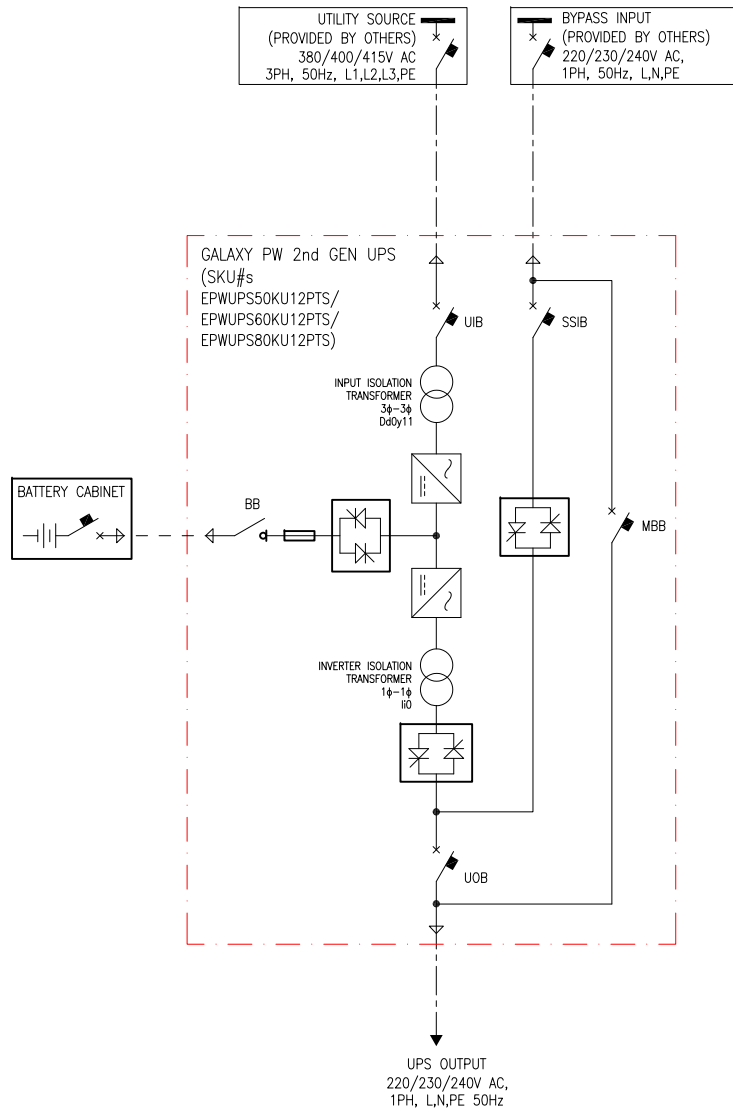
TITLE: Galaxy PW 2nd Gen
UPS 50/60/80kVA
Input: 380/400/415V, 3PH, 50Hz, SINGLE/DUAL MAINS
Output: 220/230/240V, 1PH, 50Hz
INTERNAL VIEWS AND BUSBAR DETAILS

PROJECT: SUBMITTAL DRAWINGS SHEET 3 OF 7

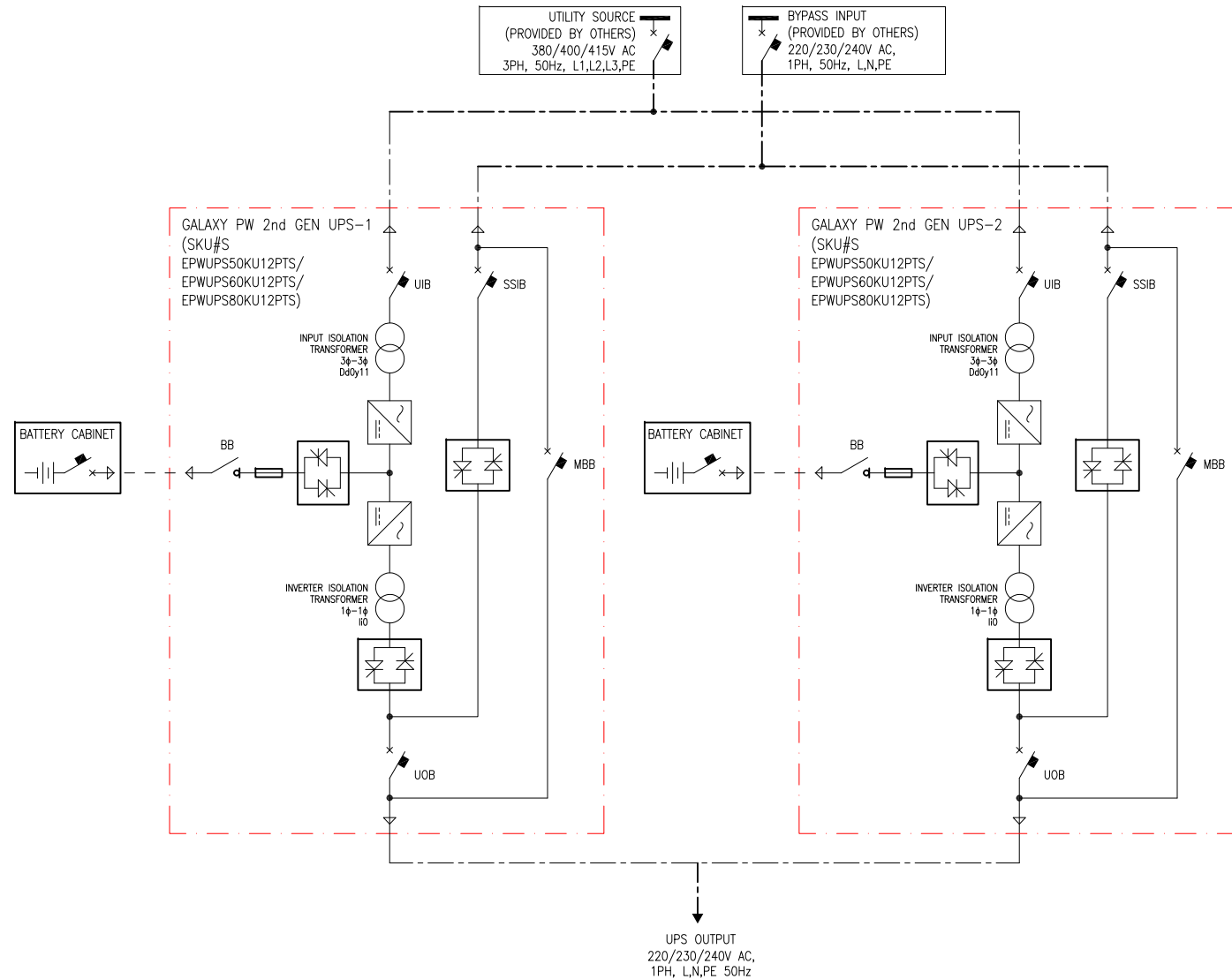
DWG NO: EPWUPS50K80U12PTS
DRAWN: BALA
ENGINEER: XIANG REN
APPROVED: XIANG REN
13-SEP-20
18-SEP-20
18-SEP-20

REV: 0
FIRST ANGLE PROJECTION

1 MODULE UPS SOLUTION



1+1 REDUNDANT PARALLEL UPS SOLUTION



NOTES:

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3. DRAWING DEPICTS POWER SYSTEM CONNECTIONS AND IS NOT REPRESENTATIVE OF PHYSICAL LAYOUT. REFER TO MECHANICAL DRAWINGS FOR EQUIPMENT LAYOUT.
4. FINAL SELECTIONS ARE RESPONSIBILITY OF ENGINEER OF RECORDS BASED ON INSTALLED CONDITIONS AND SCC/SELECTIVE CO-ORDINATION/ARC-FLASH ANALYSIS.
5. MAXIMUM 4 UPSs (4 CAPACITY OR 3(N+1)) CAN BE PARALLELED.

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Schneider Electric

TITLE: Galaxy PW 2nd Gen
UPS 50/60/80kVA
Input: 380/400/415V, 3PH, 50Hz, DUAL MAINS
Output: 220/230/240V, 1PH, 50Hz
SYSTEM ONE LINE DIAGRAM

PROJECT: SUBMITTAL DRAWINGS SHEET 4 OF 7

LEGEND:		
---	AC CABLE (PROVIDED BY OTHERS)	
---	500VDC CABLE (PROVIDED BY OTHERS)	
UIB --	UNIT INPUT BREAKER	
SSIB---	STATIC SWITCH INPUT BREAKER	
BB-----	BATTERY BREAKER	
MBB---	MAINTENANCE BYPASS BREAKER	
UOB---	UNIT OUTPUT BREAKER	

DWG NO:	EPWUPS50K80U12PTS		REV.	1
DRAWN:	BALA	25-MAR-21	ANGLE OF PROJECTION	N.A.
ENGINEER:	XIANG REN	9-APR-21		
APPROVED:	XIANG REN	9-APR-21		

GALAXY PW 2ND GENERATION 50/60/80 kVA 1 MODULE UPS SITE PLANNING DATA									
MAINS INPUT (SINGLE MAINS): 380/400/415V AC, 50Hz 3PH L1,L2,L3,PE					BYPASS INPUT: 220/230/240V AC, 50Hz, 1PH, L1,N,PE				
OUTPUT: 220/230/240V AC, 50Hz, 1PH L1,N,PE									
UPS RATING (kVA)	UPS SKU NUMBER	NOMINAL MAINS INPUT CURRENT (A) Ⓢ380/400/ 415V AC	MAXIMUM MAINS INPUT CURRENT (A) Ⓢ380/400/ 415V AC	NOMINAL BYPASS INPUT CURRENT (A) Ⓢ220/230/ 240V AC	UPS/ SYSTEM OUTPUT CURRENT Ⓢ220/230/ 240V AC	BATTERY CURRENT Ⓢ FULL LOAD AND NOMINAL Vbat (V)	BATTERY CURRENT Ⓢ FULL LOAD AND MINIMUM Vbat (V)	RECOMMENDED OVER CURRENT PROTECTION DEVICE MODEL(PART NUMBER)/In/Ir/Im SETTING (MAKE:--SCHNEIDER ELECTRIC)	
									MAINS INPUT
50	EPWUPS50KU12PTS	94/89/86	118/112/108	227/217/208	227/217/208	231	289	NSX160F TM125D 3P3D (LV430631)/ 125/125/1250(FIXED)	NSX400F Mic2.3 400A 3P3D (LV432676)/ Io=230/Ir=1/Isd=10
60	EPWUPS50KU12PTS	113/107/103	141/134/129	273/261/250	273/261/250	278	346	NSX160F TM160D 3P3D (LV430630)/ 160/144/1250(FIXED)	NSX400F Mic2.3 400A 3P3D (LV432676)/ Io=280/Ir=1/Isd=10
80	EPWUPS50KU12PTS	149/142/137	186/177/171	364/348/333	364/348/333	370	460	NSX250F TM200D 3P3D (LV431631)/ 200/200/5-10xIn	NSX400F Mic2.3 400A 3P3D (LV432676)/ Io=400/Ir=0.95/Isd=10

GALAXY PW 2ND GENERATION 50/60/80 kVA RECOMMENDED CABLE SIZES**							
UPS RATING (kVA)	UPS SKU NUMBER	AC CABLES (IN SQMM)				DC CABLES (IN SQMM)	
		INPUT PHASES	INPUT PE	BYPASS/ OUTPUT PHASES	BYPASS/ OUTPUT PE	DC+/DC-	DC PE
50	EPWUPS50KU12PTS	25	16	50	25	70	35
60	EPWUPS50KU12PTS	25	16	70	35	95	50
80	EPWUPS50KU12PTS	35	16	95	50	2x70	70

** CABLE SIZES ARE BASED ON TABLE B.52.12 OF IEC 60364-5-52 WITH THE FOLLOWING ASSERTIONS:-

- a) 90° C CONDUCTORS, AN AMBIENT TEMPERATURE OF 30° c.
- b) USE OF COPPER CONDUCTORS, INSTALLATION METHOD F.
- c) PE CABLE SIZE BASED ON TABLE 54.2 OF IEC 60364-4-54.
- d) IF THE AMBIENT TEMPERATURE IS GREATER THAN 30° C,
LARGER CONDUCTORS ARE TO BE SELECTED IN ACCORDANCE WITH THE CORRECTION FACTORS OF THE IEC.

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TITLE: Galaxy PW 2nd Gen
UPS 50/60/80kVA
Input: 380/400/415V, 3PH, 50Hz, DUAL MAINS
Output: 220/230/240V, 1PH, 50Hz
SITE PLANNING DATA

DWG NO: EPWUPS50K80U12PTS

REV. 1

DRAWN: BALA 08-NOV-20

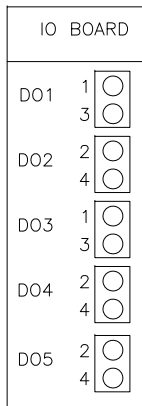
ENGINEER: XIANG REN 08-NOV-20

PROJECT: SUBMITTAL DRAWINGS SHEET 5 OF 7

APPROVED: XIANG REN 08-NOV-20

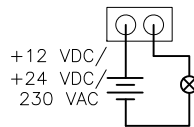
ANGLE OF
PROJECTION
N.A

CONFIGURABLE OUTPUT DRY CONTACTS

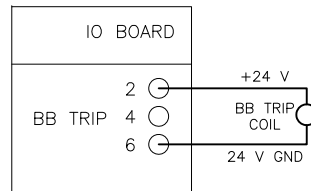


D01, D02, D03, D04, D05
CONFIGURABLE FUNCTIONS
(DEFAULT 0, 0, 0, 0, 0)

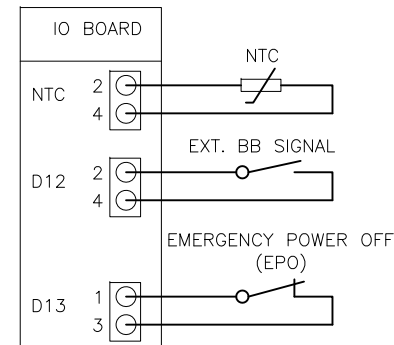
0: OFF
1: COMMON ALARM
2: NORMAL OPERATION
3: BATTERY OPERATION
4: STATIC BYPASS
5: OUTPUT OVERLOAD
6: FAN INOPERABLE
7: BATTERY FAULT
8: BATTERY DISCONNECTED
9: BATTERY VOLTAGE LOW
10: INPUT OUT OF TOLERANCE
11: BYPASS OUT OF TOLERANCE
12: EPO ACTIVATED
13: MAINTENANCE MODE
14: BACKFEED ON INPUT
15: BACKFEED ON BYPASS



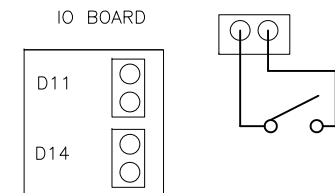
FIXED OUTPUT DRY CONTACTS



FIXED INPUT DRY CONTACTS



CONFIGURABLE INPUT DRY CONTACTS



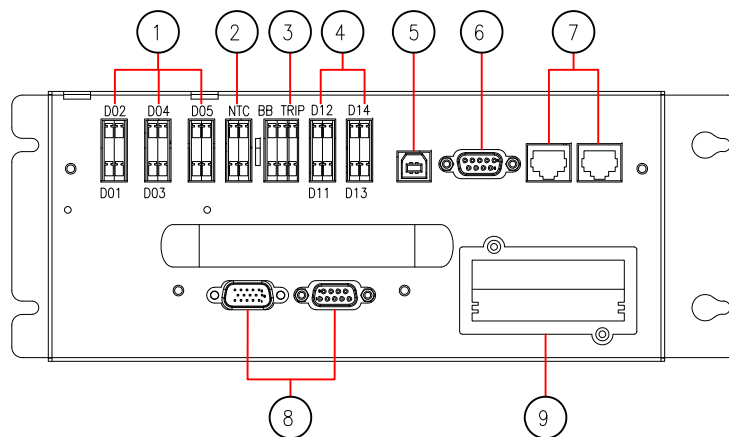
D11, D14 (DEFAULT 0, 0)
CONFIGURABLE FUNCTIONS

0: OFF
1: UPS ON
2: UPS OFF
3: BATTERY FAULT
4: GENSET ENABLE
5: CUSTOM ALARM 1
6: CUSTOM ALARM 2
7: DISABLE ECO
8: FORCE INVERTER OFF

SPECIFICATIONS OF INPUT AND OUTPUT RELAYS

TYPE OF CONTACT	PARAMETER	TYPICAL	MAXIMUM
INPUT	VOLTAGE (V)	NA	5
	CURRENT (mA)	NA	15
OUTPUT	VOLTAGE (V)	24 VDC	230 VAC
	CURRENT (A)	NA	3

△A. MAXIMUM 5A/250 VAX, 3 A/30 VDC MUST BE CONNECTED TO THE OUTPUT CONTACTS. THE RECOMMENDED CABLE IS 0.5–1 Sqmm. THE OUTPUT DRY CONTACTS PROVIDE TWO PASSIVE STATUSES: SHORT AND OPEN. THE OUTPUT CONTACTS MUST BE CONNECTED TO AN EXTERNAL POWER SUPPLY TO TRIGGER THE FUNCTION.



DETAIL-E (ROTATED/ENLARGED) (IO BOARD)

- OUTPUT DRY CONTACTS (230 VAC)
- EXTERNAL BATTERY TEMPERATURE INPUT CONTACT (NON-SELV)
- BB TRIP OUTPUT CONTACT (SELV)
- INPUT DRY CONTACTS (SELV)
- USB PORT (SELV)
- RS232 PORTS (SELV)
- RS485 PORTS (SELV)
- PARALLEL PORTS (SELV)
- INTELLIGENT SLOT FOR SNMP CARD (SELV)

COMMON NOTES:

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- RUN THE SELV CABLES SEPARATELY FROM THE non-SELV CABLES.

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TITLE: Galaxy PW 2nd Gen
UPS 50/60/80kVA
Input: 380/400/415V, 3PH, 50Hz, DUAL MAINS
Output: 220/230/240V, 1PH, 50Hz
UPS INTERFACE DETAILS-1

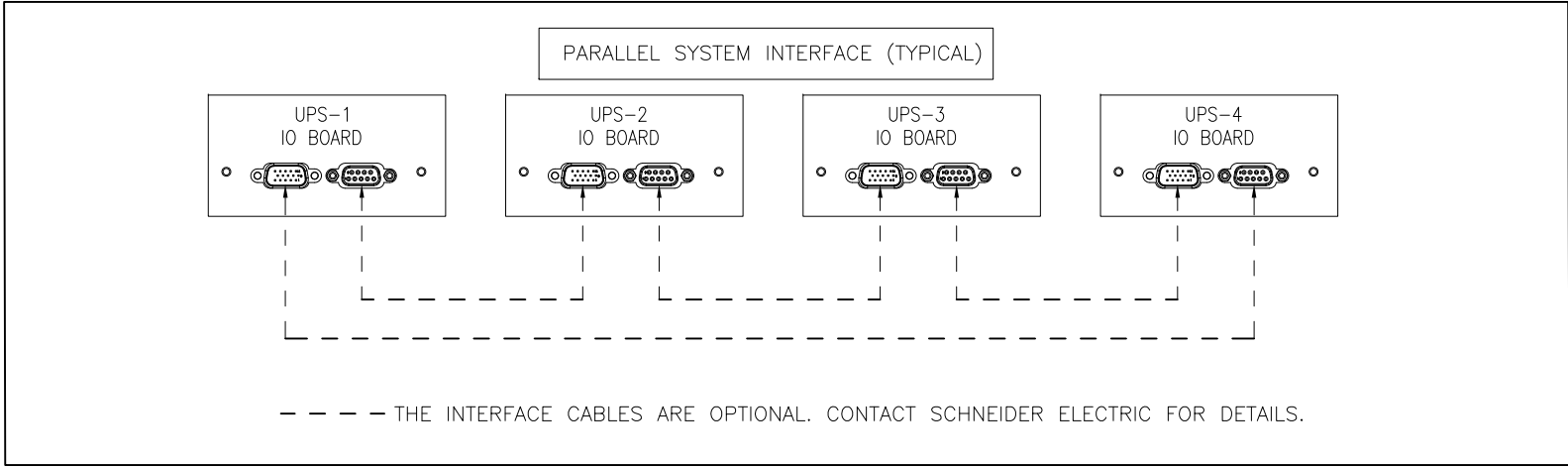
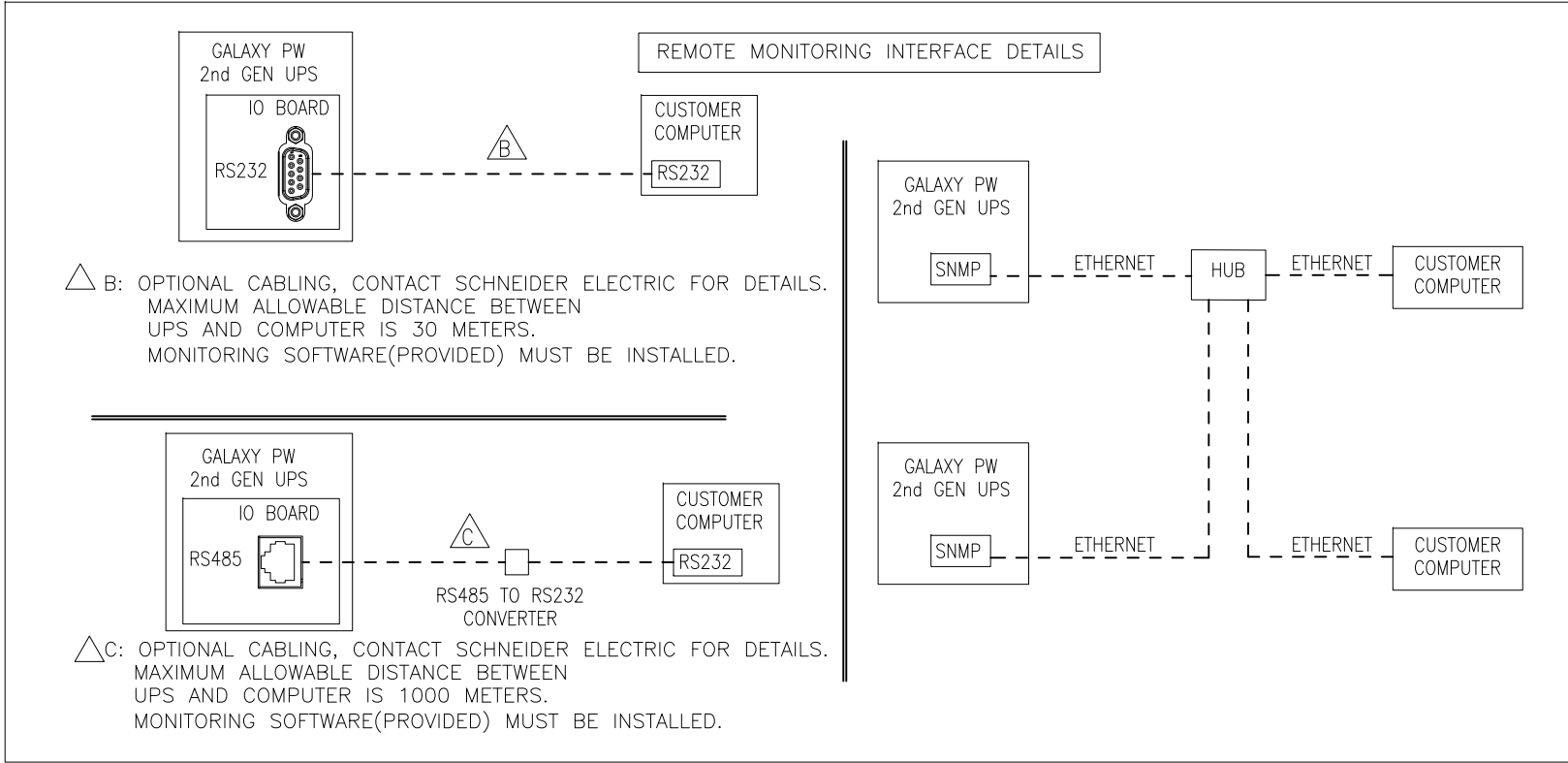
DWG NO: EPWUPS50K80U12PTS

REV. 1

PROJECT: SUBMITTAL DRAWINGS SHEET 6 OF 7

DRAWN: BALA 25-MAR-21
ENGINEER: XIANG REN 9-APR-21
APPROVED: XIANG REN 9-APR-21

ANGLE OF PROJECTION
N.A.



COMMON NOTES:

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UPS 50/60/80kVA
Input: 380/400/415V, 3PH, 50Hz, DUAL MAINS
Output: 220/230/240V, 1PH, 50Hz
UPS INTERFACE DETAILS-2

PROJECT: SUBMITTAL DRAWINGS **SHEET 7 OF 7**

DWG NO: EPWUPS50K80U12PTS

DRAWN:	BALA	13-SEP-20
ENGINEER:	XIANG REN	18-SEP-20
APPROVED:	XIANG REN	18-SEP-20

REV. 0

ANGLE OF PROJECTION N.A