

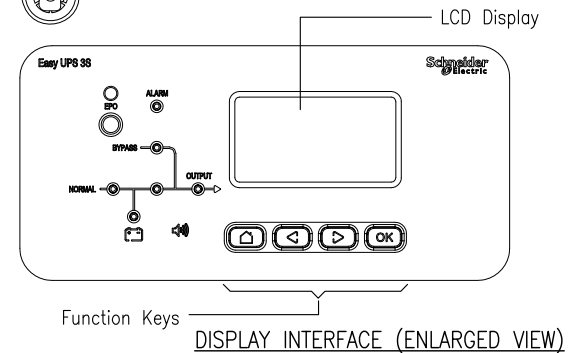
SKU NUMBER	NET WEIGHT IN kg
E3SUPS20K3I	58
E3SUPS30K3I	60

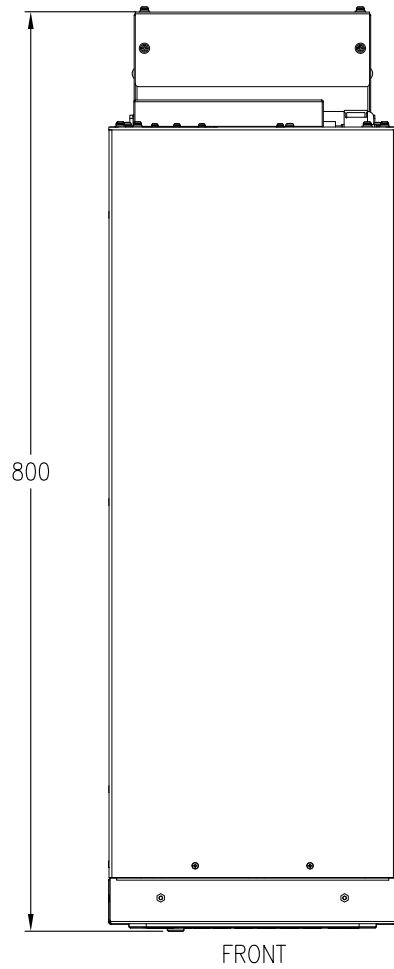
- NOTES:**
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL AND LOCAL ELECTRICAL REGULATIONS.
  2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
  3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
  4. FRONT/REAR/SIDE SERVICE CLEARANCE, TOP VENTILATION CLEARANCE REQUIRED.
  5. COLOR: RAL 9003.
  6. OPERATING TEMPERATURE: 0°C MIN. TO 40°C MAX.
  7. PROTECTION CLASS: IP20

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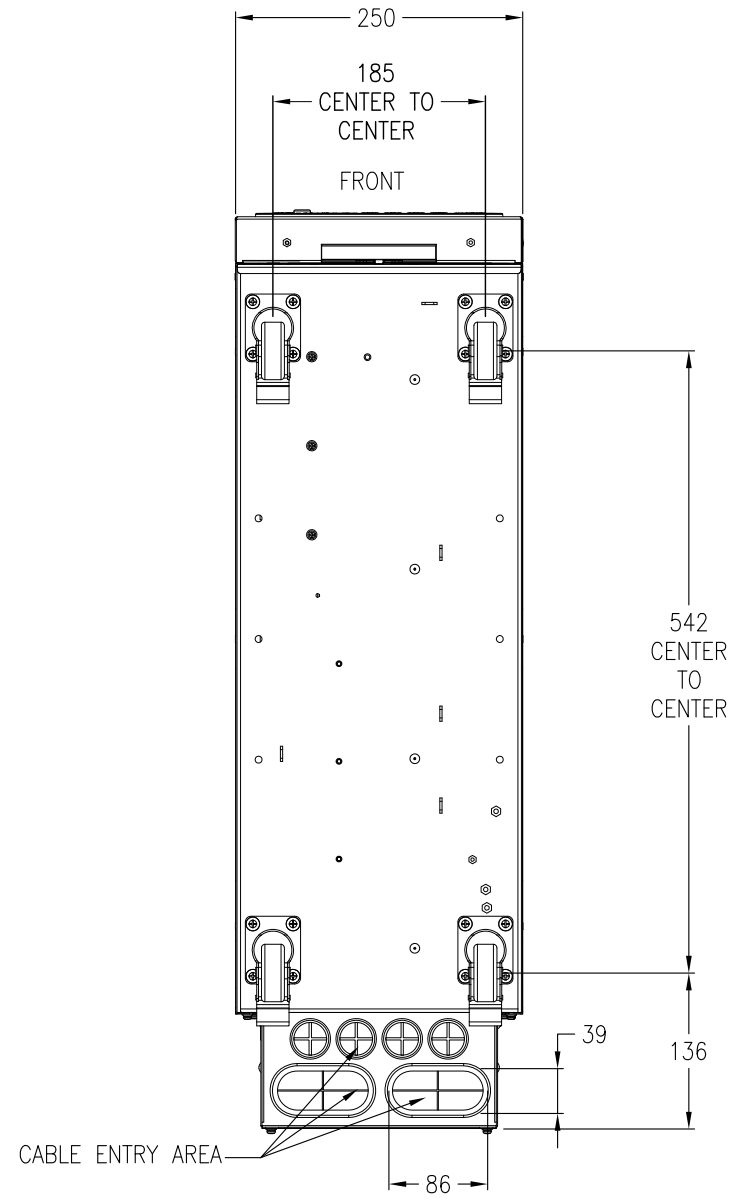


TITLE: EASY UPS 3S 20 - 30kVA, 400V, 3PH INPUT, 1PH OUTPUT UPS FOR EXTERNAL BATTERIES GENERAL ARRANGEMENT		DWG NO: E3SUPS20K3I30	REV.
PROJECT: SUBMITTAL DRAWINGS	SHEET 1 OF 6	DRAWN: JAYAPRAKASH	14-AUG-18
		ENGINEER: CAMPBELL BAI	29-AUG-18
		APPROVED: FRANK ZHANG	29-AUG-18
			FIRST ANGLE PROJECTION





TOP VIEW



BOTTOM VIEW

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TITLE:  
20 - 30kVA, 400V, 3PH INPUT, 1PH OUTPUT  
UPS FOR EXTERNAL BATTERIES  
BOTTOM VIEWS

PROJECT: SUBMITTAL DRAWINGS SHEET 2 OF 6

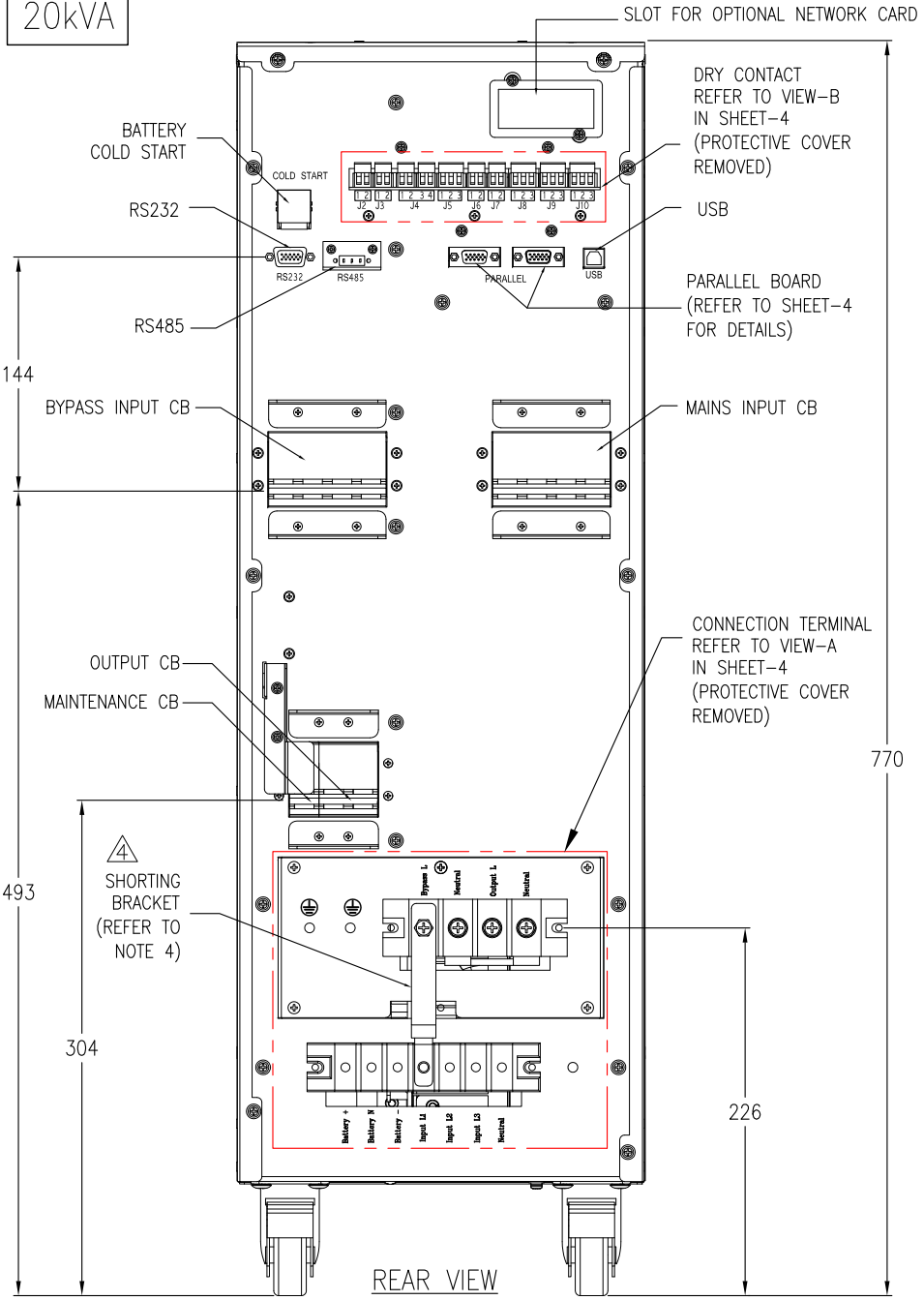
DWG NO: E3SUPS20K3130

DRAWN:	JAYAPRAKASH	14-AUG-18
ENGINEER:	COMPBELL BAI	29-AUG-18
APPROVED:	FRANK ZHANG	29-AUG-18

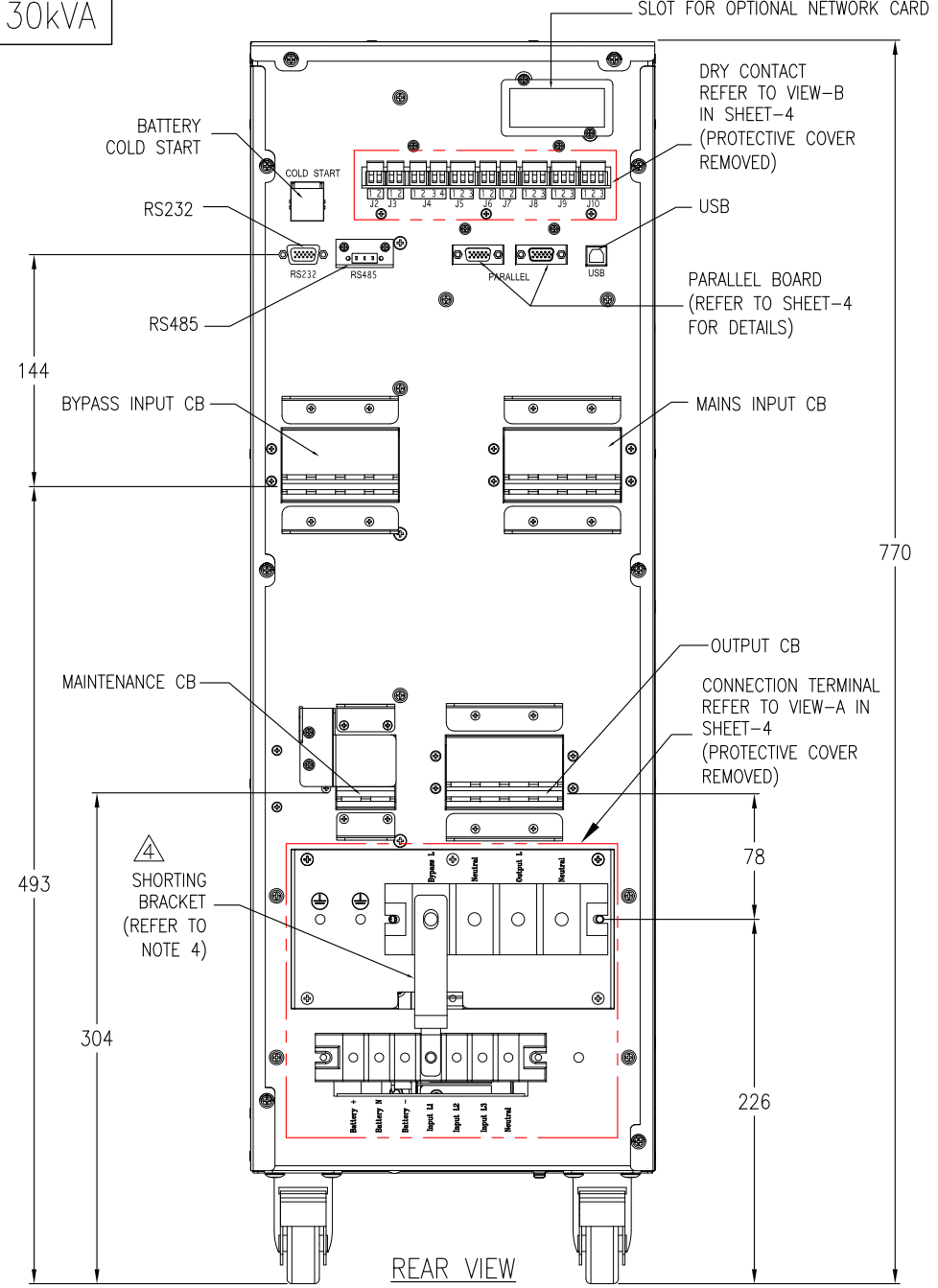
REV.

FIRST ANGLE PROJECTION
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20kVA



30kVA



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  3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
  4. FOR DUAL MAINS CONFIGURATION REMOVE THE SHORTING BRACKET.

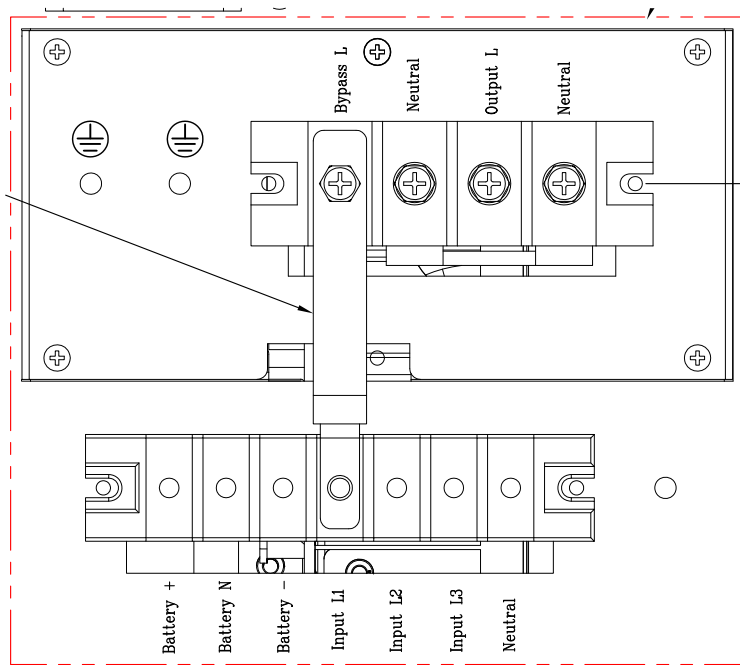
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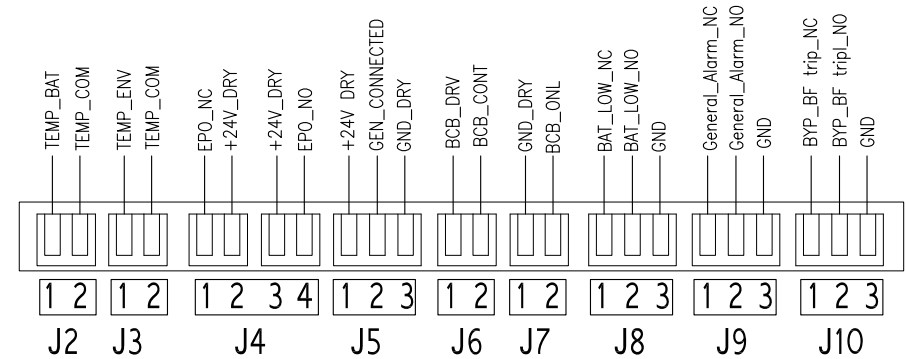
TITLE:  
20 - 30kVA, 400V, 3PH INPUT, 1PH OUTPUT UPS FOR EXTERNAL BATTERIES REAR VIEWS

DWG NO:	E3SUPS20K3130	REV:	
DRAWN:	JAYAPRAKASH	14-AUG-18	FIRST ANGLE
ENGINEER:	COMPBELL BAI	29-AUG-18	PROJECTION
APPROVED:	FRANK ZHANG	29-AUG-18	

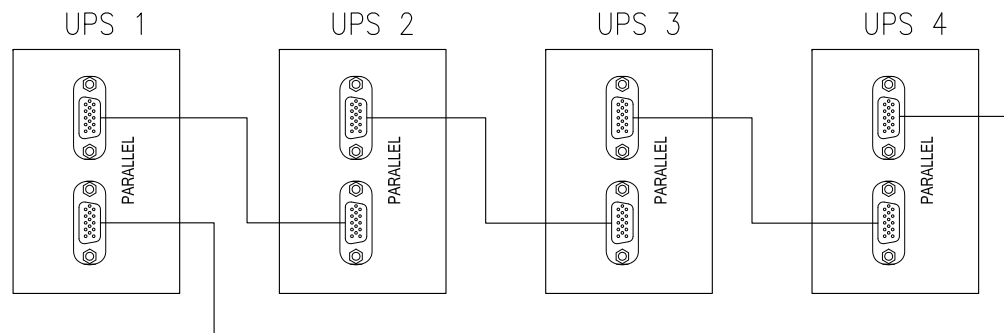
PROJECT: SUBMITTAL DRAWINGS SHEET 3 OF 6



VIEW-A (ENLARGED)  
CONNECTION TERMINALS



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



PARALLEL CONNECTION

- NOTES:
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  2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
  3. UP TO 4 NUMBERS OF UPS CAN BE CONNECTED IN PARALLEL. MAXIMUM COMMUNICATION CABLE LENGTH IS 5 Meters.

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TITLE:  
EASY UPS 3S  
20 - 30kVA, 400V, 3PH INPUT, 1PH OUTPUT  
UPS FOR EXTERNAL BATTERIES  
ENLARGED VIEWS

DWG NO: E3SUPS20K3I30

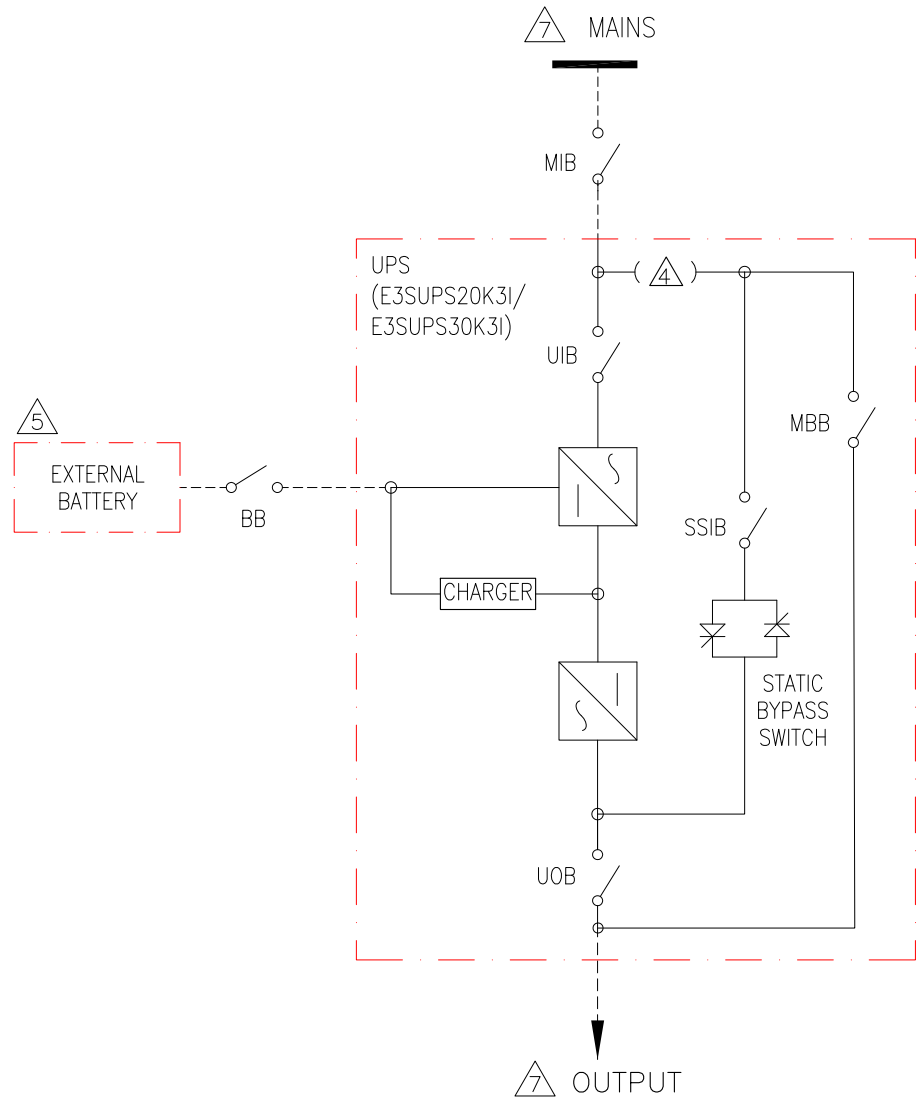
DRAWN: JAYAPRAKASH 14-AUG-18  
ENGINEER: COMPBELL BAI 29-AUG-18

PROJECT: SUBMITTAL DRAWINGS SHEET 4 OF 6

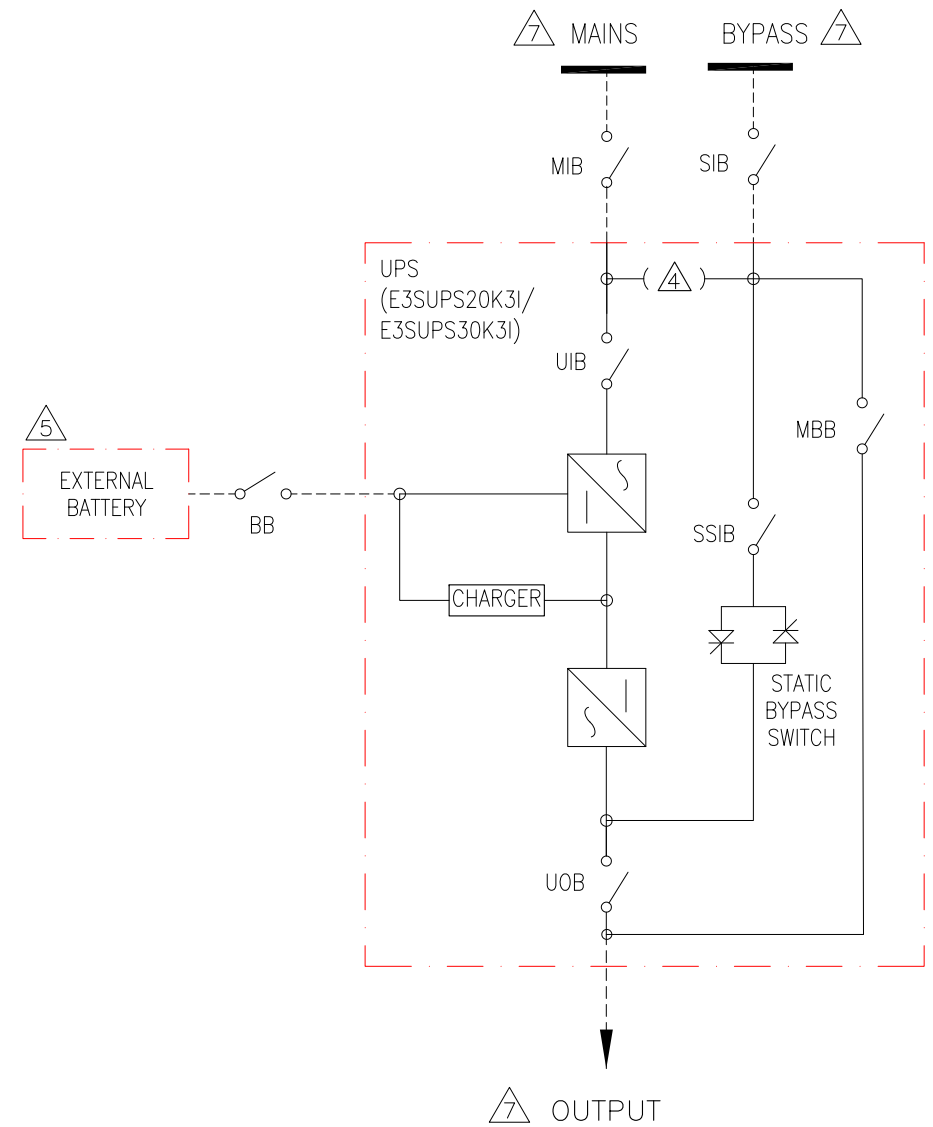
APPROVED: FRANK ZHANG 29-AUG-18

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

**LEGEND:** ----- CABLE PROVIDED BY OTHERS

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TITLE:  
EASY UPS 3S  
20 - 30kVA, 400V, 3PH INPUT, 1PH OUTPUT  
UPS FOR EXTERNAL BATTERIES  
SYSTEM ONLINE DIAGRAM

PROJECT: SUBMITTAL DRAWINGS SHEET 5 OF 6

DWG NO: E3SUPS20K3I30 REV.  
DRAWN: JAYAPRAKASH 14-AUG-18 FIRST ANGLE PROJECTION  
ENGINEER: COMPBELL BAI 29-AUG-18  
APPROVED: FRANK ZHANG 29-AUG-18

**ELECTRICAL DATA SHEET**

UPS RATING	20kVA	30kVA
<b>INPUT SPECIFICATIONS</b>		
INPUT VOLTAGE (V)	380/400V415	380/400V415
NOMINAL INPUT CURRENT (A)	32/31/30	48/46/44
MAXIMUM INPUT CURRENT (A)	38/37/36	58/55/53
INPUT CURRENT LIMITATION (A)	44/42/41	65/63/60
INPUT FREQUENCY (Hz)	45-65	
INPUT WIRING	L1, L2, L3, N, PE	
INPUT THDI	< 4% FOR 10kVA, < 5% FOR 15-30kVA	
<b>BYPASS SPECIFICATIONS</b>		
BYPASS VOLTAGE (V)	220/230/240	220/230/240
MINIMUM BYPASS VOLTAGE (V)	176/184/192	176/184/192
MAXIMUM BYPASS VOLTAGE (V)	253/264/276	253/264/276
NOMINAL BYPASS CURRENT (A)	91/87/84	137/131/125
BYPASS FREQUENCY (Hz)	50/60	
BYPASS WIRING	L,N,PE	
<b>OUTPUT SPECIFICATIONS</b>		
OUTPUT VOLTAGE (V)	220/230/240	220/230/240
NOMINAL OUTPUT CURRENT (A)	91/87/84	137/131/125
OUTPUT FREQUENCY (Hz)	50/60	
OUTPUT WIRING	L, 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	6000
NOMINAL BATTERY VOLTAGE (16-20 Blocks) (VDC)	+/-192 to +/-240	
NOMINAL FLOAT VOLTAGE (16-20 Blocks) (VDC)	+/-216 to +/-270	
END OF DISCHARGE VOLTAGE (16-20 Blocks) (FULL LOAD) (VDC)	+/-158 to +/-198	
END OF DISCHARGE VOLTAGE (16-20 Blocks) (NO LOAD) (VDC)	+/-168 to +/-210	
BATTERY CURRENT AT FULL LOAD AND NOMINAL BATTERY VOLTAGE (16-20 Blocks) (A)	55-44	83-66
BATTERY CURRENT AT FULL LOAD AND MINIMUM BATTERY VOLTAGE (16-20 Blocks) (A)	67-54	101-81
RIPPLE CURRENT	<5% C10	
MAXIMUM SHORT CIRCUIT WITHSTAND	Icc=10kA	
<b>RECOMMENDED CABLE SIZES</b>		
INPUT CABLE SIZE SINGLE MAINS (mm <sup>2</sup> )	35	50
INPUT CABLE SIZE DUAL MAINS (mm <sup>2</sup> )	10	16
BYPASS CABLE SIZE (mm <sup>2</sup> )	35	50
OUTPUT CABLE SIZE (mm <sup>2</sup> )	35	50
BATTERY INPUT CABLE SIZE (mm <sup>2</sup> )	16	25
PE CABLE SIZE (mm <sup>2</sup> )	10	16

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TITLE:	EASY UPS 3S	DWG NO:	E3SUPS20K3130	REV.	
20 - 30kVA, 400V, 3PH INPUT, 1PH OUTPUT UPS FOR EXTERNAL BATTERIES ELECTRICAL DATA SHEET		DRAWN:	JAYAPRAKASH	14-AUG-18	FIRST ANGLE PROJECTION
		ENGINEER:	COMPBELL BAI	29-AUG-18	
PROJECT: SUBMITTAL DRAWINGS SHEET 6 OF 6		APPROVED:	FRANK ZHANG	29-AUG-18	