Technical Charactestics/Parameters	
Description of the Apparatus	Easy UPS Backfeed Box
Reference Standard	IEC-61439-1 & 2
Applicant name & Address	Schneider Electric IT Business India Private Limited
Manufacturer's name & Address	Schneider Electric President Systems Ltd Plot 5C/1,KIADB Industrial Area,Attibele, Bangalore- 562 107--India
Designation	SP3OPT010
Enclosure construction type	Wall Mount
Rated Voltage Un	440V AC
Rated current of the ASSEMBLY InA	550A
Rated conditional short-circuit current of an ASSEMBLY (Icc)	10kA
Rated Frequency fn	50/60Hz
No of Phases	3Ph + N+ PE
Rated Insulation voltage Ui	1kV
Rated impulse Voltage Uimp	6kV
Material Group	'IIIa' under Pollution degree-2 w.r.t 1kV
Pollution degree	Pollution degree 2
Form of Separation	Form 1
Degree of Protection	IP20
Diversity factor	1 (Since there is no branch current)
Severity A/B	Severity A
Max Shipping weight of Panel kg	Approximate 58Kg
Impact Details (IK)	IK02
Marking details (Embossed/Molding/pressing/Engraving/or any other	Using Labels
Extendable panel or Not	Not extendable
Backfeed Box dimensions (mm)	700mm (W) x 800mm (H) x 400 mm (D)
Paint Shade	RAL 9003
Mounting Arrangement (Floor mounting / Wall mounting)	Wall Mount
Lifting arrangement	Fork lift
Locking Arrangement	Green Handle lock with key
Cable Entry – Incoming	**Bottom** - Cable connections directly on Contactor (L1,L2,L3) and on busbar link (N and PE). (Note: Contactor coil supply be re-connected on L1-L2 upstream contactor after Installator has connected Input Cables)
Cable Entry – Outgoing	
Door Gasket / Make	Rubber gasket / Neoprene or reputed make
Thickness of Frame mm	1.5mm thick
Thickness of Doors	1.5mm thick
Material of Enclosure	CRCA
Compliance	IEC 61439-1 & 61439-2 (UKCA & CE marking)
Earthing System	TNS-TT (Not compatible with IT Earthing system where 4P contactor is required)
Ambient Temperature	0-30°C (Operated at 450A max at 30°C to 40°C)
Interconnection Cables with UPS:	To be provided by others (Cross section to be as per UPS installation manual recommendations).
Application	Indoor

EASY UPS BACKFEED - SELECTION TABLE

	E3M		
Easy UPS	**120kVA**	**160kVA**	**200kVA**
SINGLE FEED			
Power Contactor	**550A** , 3P LC1G400LSEA; AC1 duty 550A Coil Operating Voltage : 200-500V AC		
SKU	**1*SP3OPT010**		
Rated Operational Voltage	**340-440V AC, 50 / 60Hz**		
Mains Input Current limitation	**309A**	**412A**	**515A**
Bypass Input Current	**184A**	**246A**	**307A**
Short circuit Icc			
Main Input / Bypass Cable Size from Manual	95 Sqmm Per Phase 120 Sqmm for N 50 Sqmm for PE	120 Sqmm Per Phase 120 Sqmm for N 70 Sqmm for PE	150 Sqmm Per Phase 150 Sqmm for N 70 Sqmm for PE
Recommended Bolts & Lugs for customer connections from Manual	M10, KST TLK95-10	M10, KST TLK120-10	M10, KST TLK150-10
DUAL FEED			
Mains Input	**1*SP3OPT010**	**1*SP3OPT010**	**1*SP3OPT010**
Bypass Input	**1*SP3OPT010**	**1*SP3OPT010**	**1*SP3OPT010**

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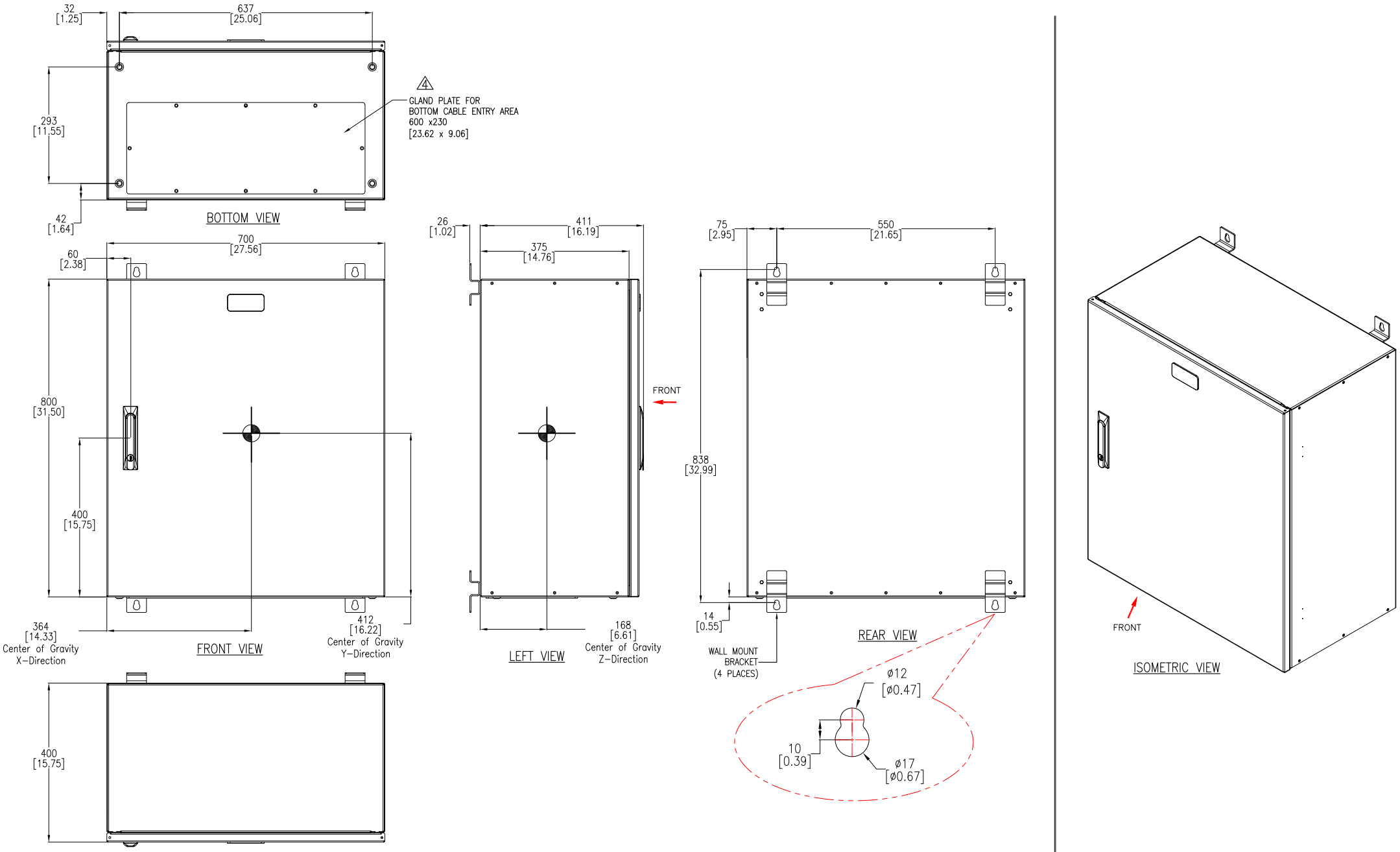
TITLE: Easy UPS BACKFEED BOX 550A 340V–440V, 50/60 Hz TECH. CHARACTERISTICS & SELECTION TABLE

DWG NO: SP3OPT010 REV. 0

DRAWN:	DIBYARANJAN	03–MAY–23
ENGINEER:	SANTHOSHA/MADHAN	04–MAY–23
APPROVED:	SYED	04–MAY–23

PROJECT: SUBMITTAL DRAWINGS | SHEET 1 OF 4

ANGLE PROJECTION N.A



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].
4. CABLE ENTRY/EXIT IS FROM BOTTOM OF UNIT. DRILL/PUNCH HOLES IN PLATE AS PER THE REQUIREMENT. REMOVE PLATE FROM CABINET BEFORE DRILLING/PUNCHING.
5. NET WEIGHT OF THE UNIT IS 58kg [127.86lb].
6. WALL MOUNTING M10 HARDWARE ARE IN CUSTOMER SCOPE.

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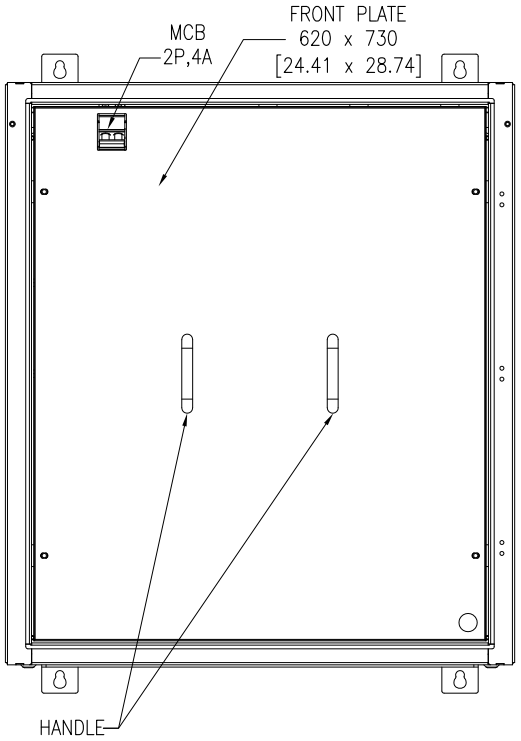
TITLE: Easy UPS BACKFEED BOX 550A
340V – 440V, 50/60Hz
GENERAL ARRANGEMENT

PROJECT: SUBMITTAL DRAWINGS | SHEET 2 OF 4

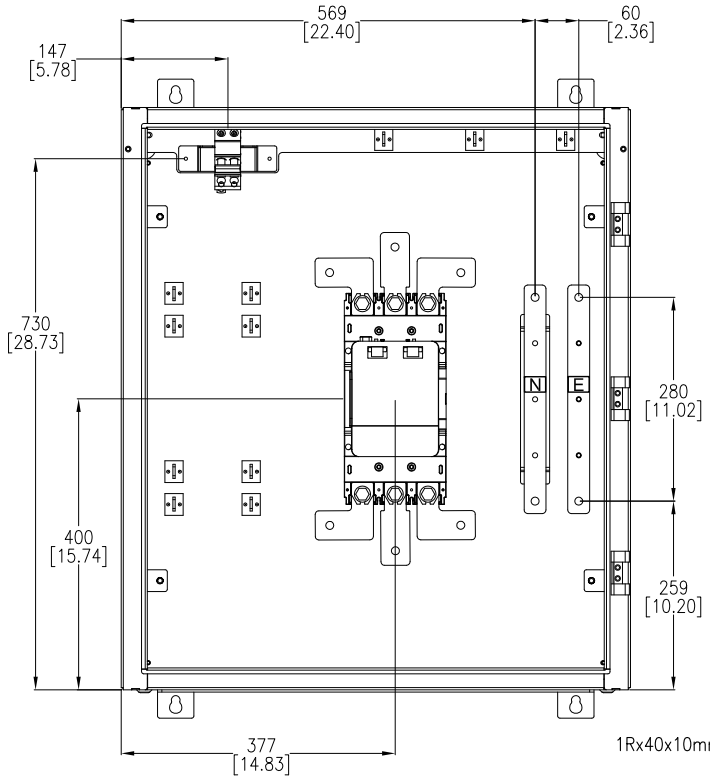
DWG NO: SP3OPTO10 | REV. 0

DRAWN:	DIBYARANJAN	03–MAY–23
ENGINEER:	SANTHOSHA/MADHAN	04–MAY–23
APPROVED:	SYED	04–MAY–23

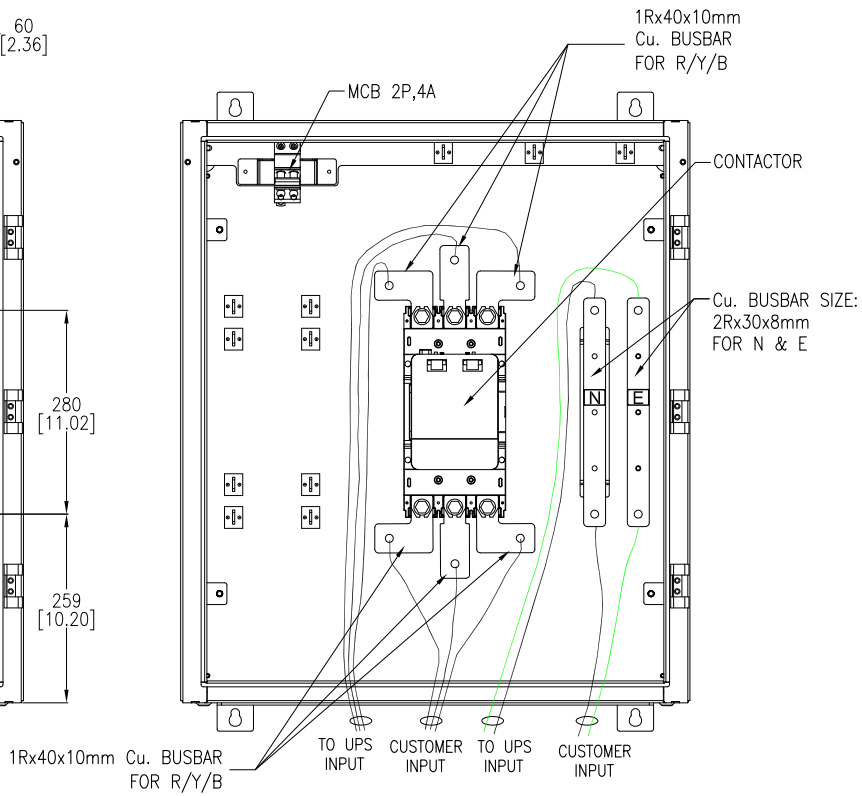
FIRST ANGLE PROJECTION



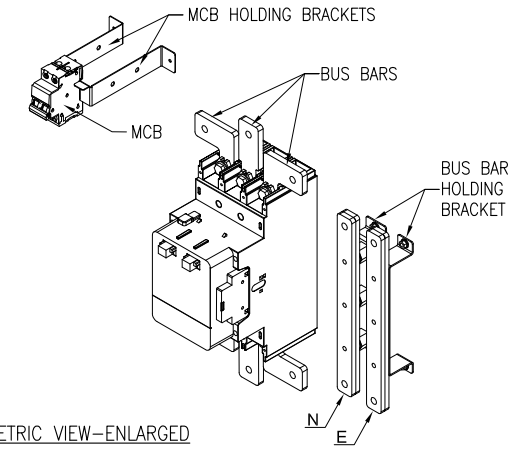
INTERNAL FRONT VIEW WITH FRONT PLATE
(DOOR REMOVED)



INTERNAL FRONT VIEW
(DOOR & PLATE REMOVED)



INTERNAL FRONT VIEW WITH CABLE LAYOUT
(DOOR & FRONT PLATE REMOVED)



ISOMETRIC VIEW–ENLARGED

NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL AND LOCAL ELECTRICAL REGULATIONS..
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3. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].

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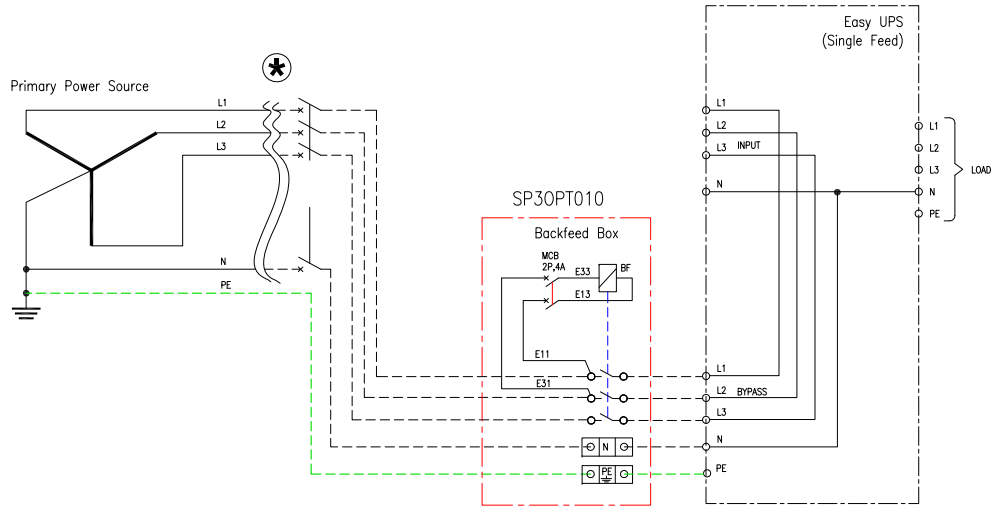
TITLE: Easy UPS BACKFEED BOX 550A
340V – 440V, 50/60Hz
INTERNAL VIEWS

PROJECT: SUBMITTAL DRAWINGS | SHEET 3 OF 4

DWG NO: SP3OPTO10 | REV. 0

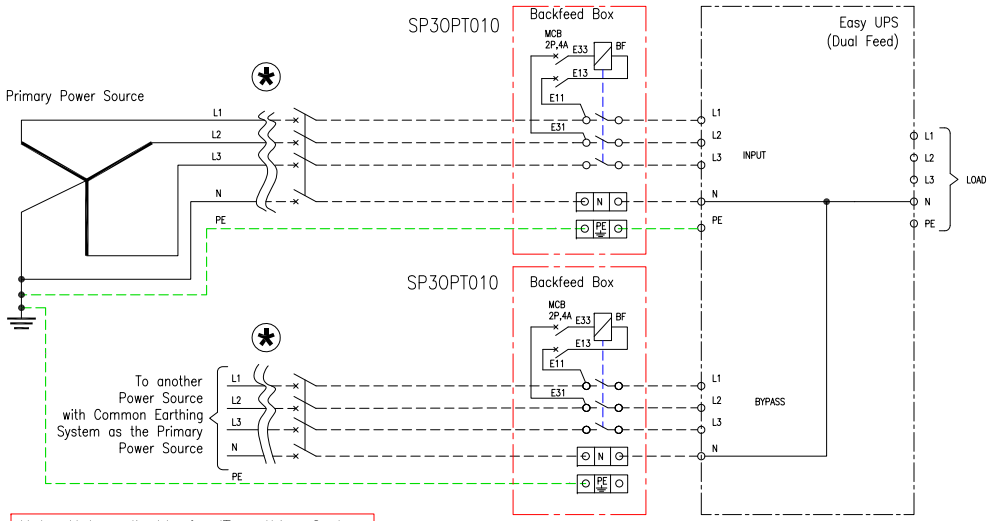
DRAWN:	DIBYARANJAN	03–MAY–23
ENGINEER:	SANTHOSHA/MADHAN	04–MAY–23
APPROVED:	SYED	04–MAY–23

FIRST ANGLE PROJECTION



Note: Not applicable for IT earthing System

Single Feed UPS (3:3)



Note: Not applicable for IT earthing System

Dual Feed UPS (3:3)

Instruction to end user as follows: -

(*) **a) Easy UPS Backfeed box having a rated conditional short-circuit current and not exceeding 10 kA r.m.s.**
b) Easy UPS Backfeed box shall be protected by current-limiting devices having a cut-off current not exceeding 17 kA with the maximum allowable prospective short-circuit current at the terminals of the incoming circuit of the ASSEMBLY.

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 3PH, 340V TO 440V (L+N+G), 50-60Hz PROVIDED BY OTHERS.
5. DASHED LINES (- - - -) BETWEEN UTILITY SOURCE & THE UNITS ARE AC CABLES PROVIDED BY OTHERS.

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TITLE: Easy UPS BACKFEED BOX 550A
340V-440V, 50/60 Hz
SINGLE LINE DIAGRAM

PROJECT: SUBMITTAL DRAWINGS | SHEET 4 OF 4

DWG NO:	SP30PT010		REV. 0
DRAWN:	DIBYARANJAN	03-MAY-23	ANGLE PROJECTION
ENGINEER:	SANTHOSHA/MADHAN	04-MAY-23	
APPROVED:	SYED	04-MAY-23	N.A