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	SP3OPT009
Enclosure construction type	Wall Mount
Rated Voltage Un	440V AC
Rated current of the ASSEMBLY InA	275A
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 33Kg
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)	600mm (W) x 600mm (H) x 250 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	0-40°C
Interconnection Cables with UPS:	To be provided by others (Cross section to be as per UPS installation manual recommendations).
Application	Indoor

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Schneider Electric

TITLE: Easy UPS BACKFEED BOX 275A
340V–440V, 50/60 Hz
TECHNICAL CHARACTERISTICS

PROJECT: SUBMITTAL DRAWINGS | SHEET 1 OF 5

DWG NO: SP3OPT009 | REV. 0

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

ANGLE PROJECTION N.A

EASY UPS BACKFEED - SELECTION TABLE

E3S 3:3		E3M		
Easy UPS	**10-40kVA**	**60kVA**	**80kVA**	**100kVA**
SINGLE FEED				
Power Contactor	**95A ,** 3P	**275A ,** 3P		
	LC1D95V7; AC3 duty 95A	LC1G150LSEA; AC1 duty 275A		
	Coil Operating Voltage : 320-440V AC	Coil Operating Voltage : 200-500V AC		
SKU	**1*SP3OPT008**	**1*SP3OPT009**		
Rated Operational Voltage	**340-440V AC, 50 / 60Hz**	**340-440V AC, 50 / 60Hz**		
Mains Input Current limitation	**89A**	**155A**	**206A**	**258A**
Bypass Input Current	**77A**	**91A**	**122A**	**152A**
Short circuit Icc	**10kA (with Upstream Protection as per Easy UPS Manual recommendation)**			
Main Input / Bypass Cable Size from Manual	25Sqmm Per Phase 2 x 25Sqmm for N 16Sqmm for PE	35Sqmm Per Phase 2 x 25Sqmm for N 16Sqmm for PE	50Sqmm Per Phase 2 x 50Sqmm for N 25Sqmm for PE	70Sqmm Per Phase 2 x 70Sqmm for N 35Sqmm for PE
Recommended Bolts & Lugs for customer connections from Manual	M8, KST TLK25-8	M8, KST TLK35-8	M10, KST TLK50-10	M10, KST TLK70-10
DUAL FEED				
Mains Input	**1*SP3OPT008**	**1*SP3OPT009**	**1*SP3OPT009**	**1*SP3OPT009**
Bypass Input	**1*SP3OPT008**	**1*SP3OPT009**	**1*SP3OPT009**	**1*SP3OPT009**

E3S 3:1	
10-30kVA	
SINGLE FEED	
SKU for Single Main	1*SP3OPT009
Mains Input Current limitation	**65A (3Ph)**
Bypass Input Current	**172A (1Ph)**
DUAL FEED	
SKU for Main Input	1*SP3OPT008
Mains Input Current limitation	**65A (3Ph)**
SKU for Bypass	1*SP3OPT009
Bypass Single phase input current	172A (1Ph)

Note:

1. Control wire of Ferrule No. E31 which is connected at power contactor of L2 terminal to be removed & shall be connected to neutral busbar.
2. Just use L1 from power contactor and neutral busbar for single phase.
3. L2 & L3 of power contactor will not be use.

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Schneider Electric

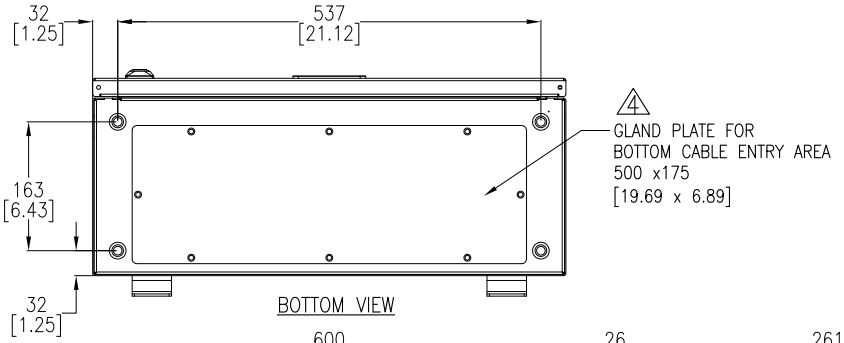
TITLE: Easy UPS BACKFEED BOX 275A 340V–440V, 50/60 Hz SELECTION TABLE

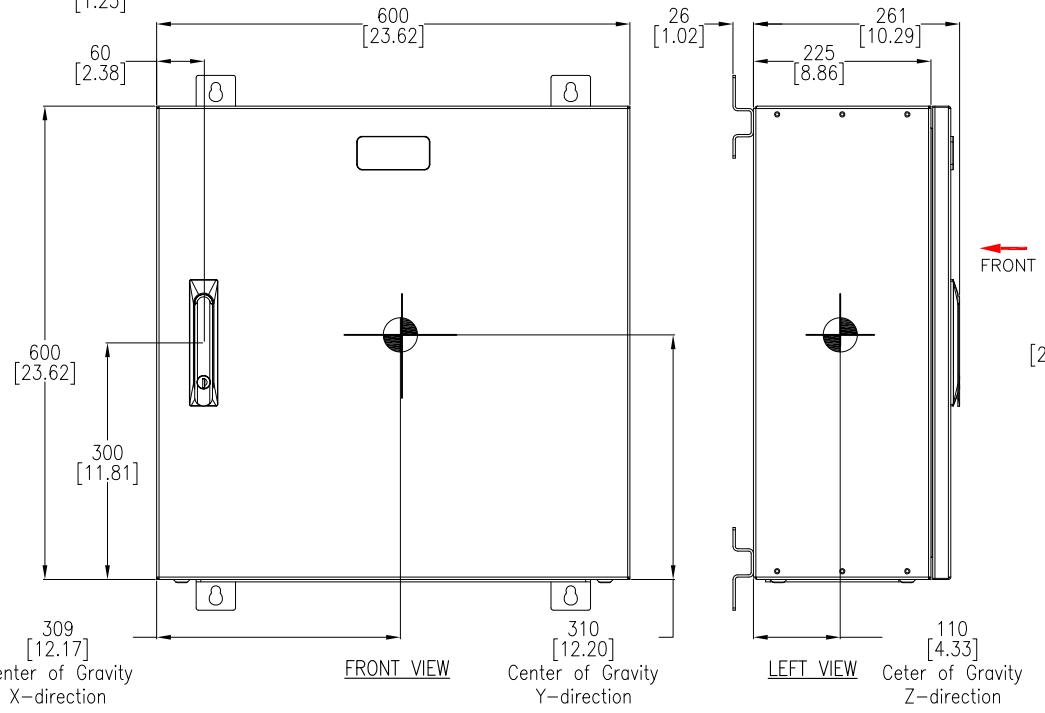
DWG NO: SP3OPT009 REV. 0

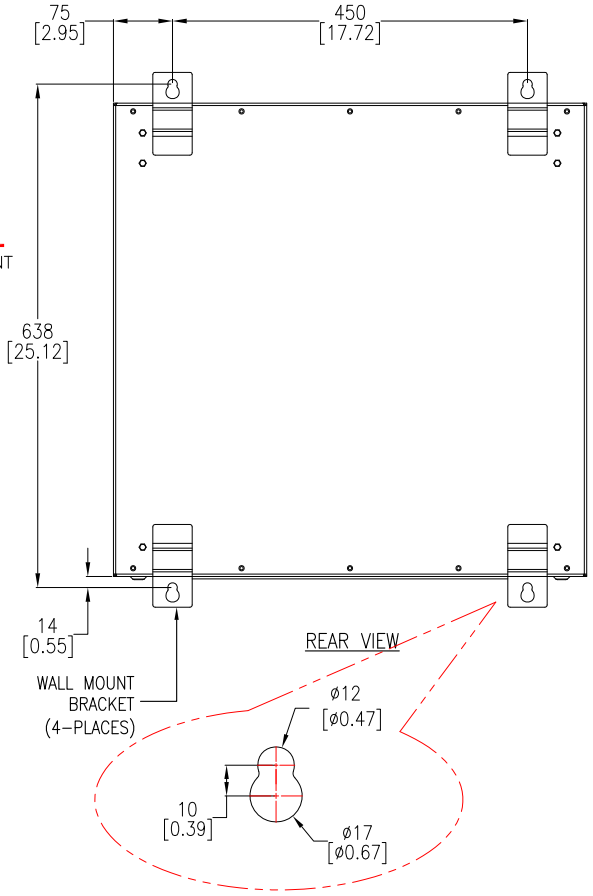
PROJECT: SUBMITTAL DRAWINGS SHEET 2 OF 5

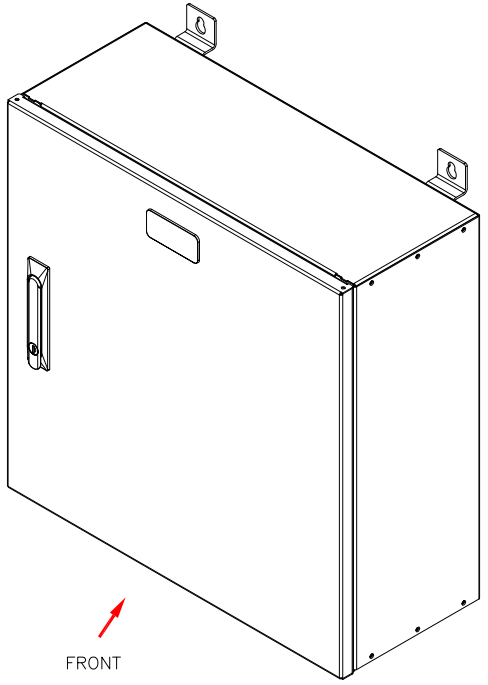
DRAWN:	DIBYARANJAN	03–MAY–23
ENGINEER:	SANTHOSHA/MADHAN	04–MAY–23
APPROVED:	SYED	04–MAY–23

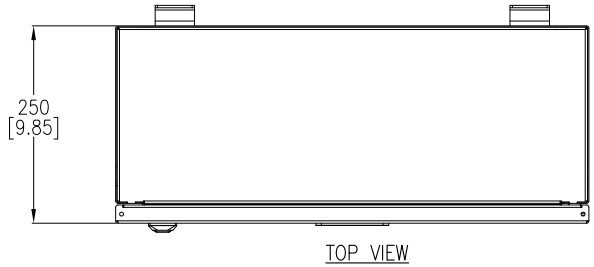
ANGLE PROJECTION N.A











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 33kg [72.75lb].
6. WALL MOUNTING M10 HARDWARES ARE IN CUSTOMER SCOPE.

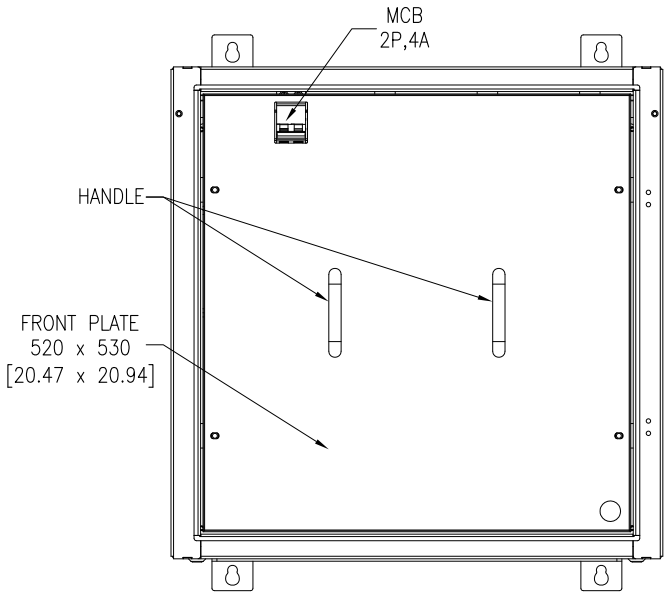
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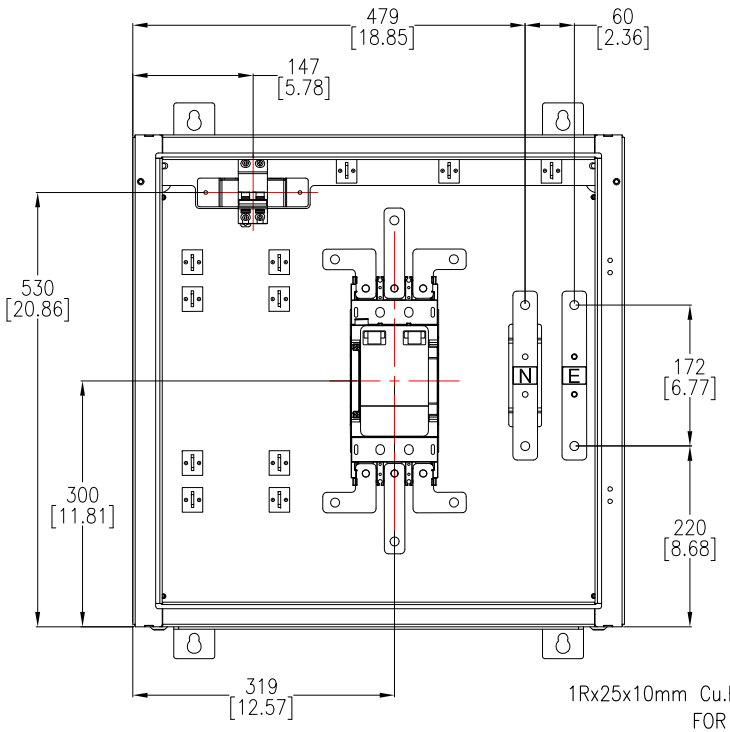
TITLE: Easy UPS BACKFEED BOX 275A
340V – 440V, 50/60Hz
GENERAL ARRANGEMENT

PROJECT: SUBMITTAL DRAWINGS | SHEET 3 OF 5

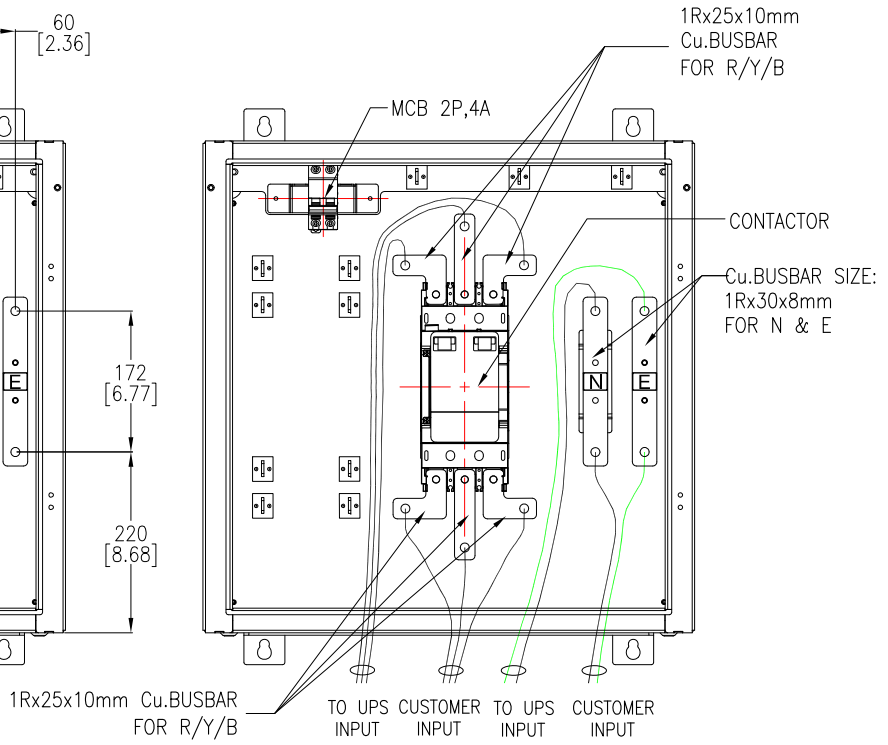
DWG NO: SP3OPTOO9		REV. 0
DRAWN: DIBYARANJAN	03-MAY-23	FIRST ANGLE PROJECTION
ENGINEER: SANTHOSHA/MADHAN	04-MAY-23	
APPROVED: SYED	04-MAY-23	



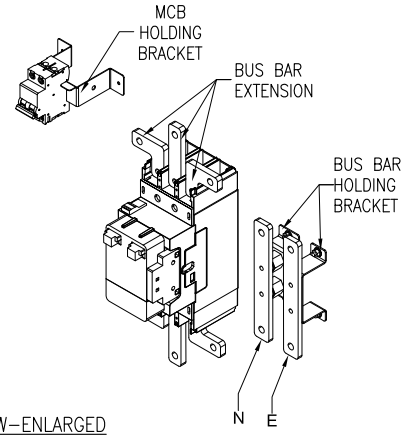
INTERNAL FRONT VIEW WITH FRONT PLATE
(DOOR REMOVED)



INTERNAL FRONT VIEW
(DOOR & PLATE REMOVED)



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



ISOMETRIC VIEW–ENLARGED

NOTES:
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3. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].

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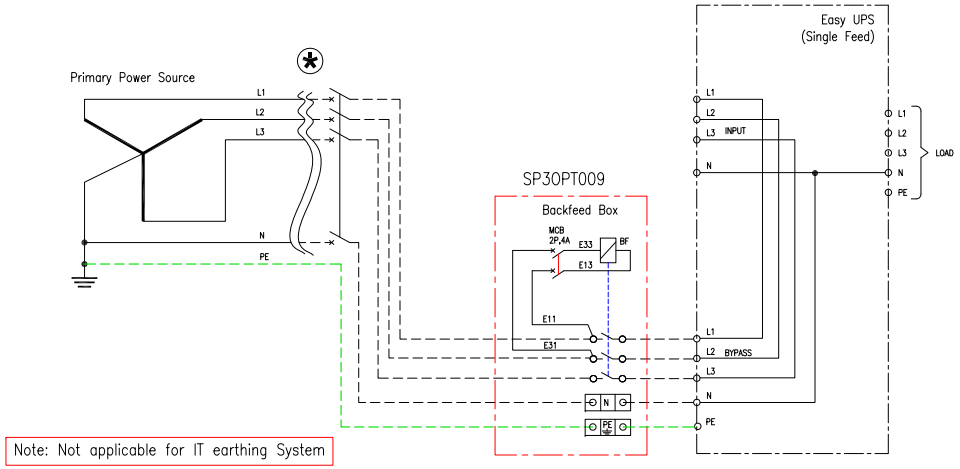
TITLE: Easy UPS BACKFEED BOX 275A
340V – 440V, 50/60Hz
INTERNAL VIEWS

PROJECT: SUBMITTAL DRAWINGS | SHEET 4 OF 5

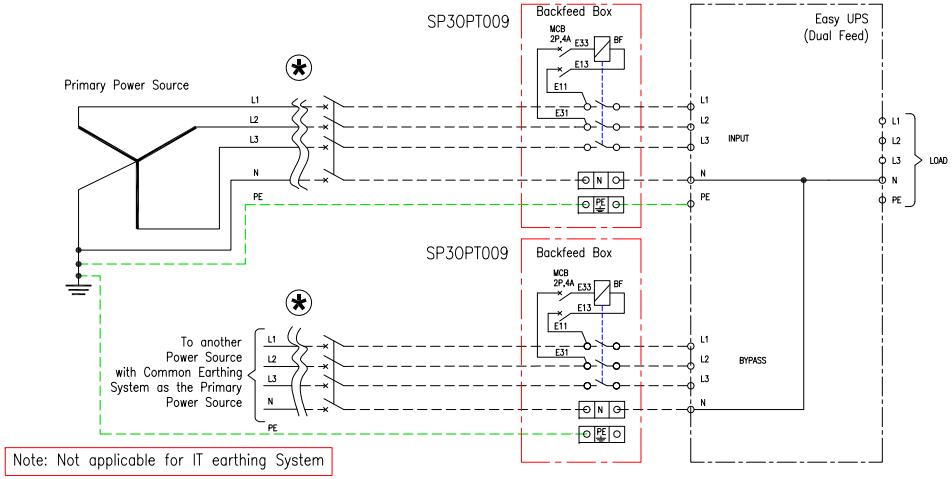
DWG NO: SP30PT009 | REV. 0

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

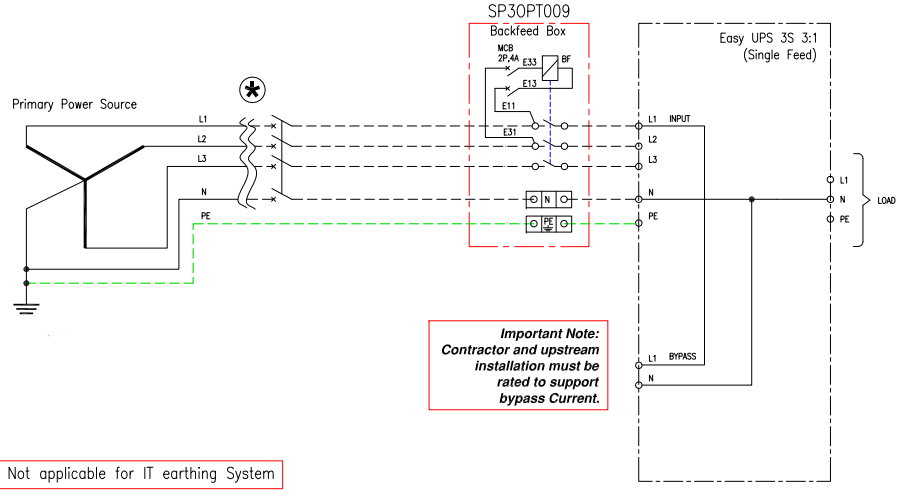
FIRST ANGLE PROJECTION



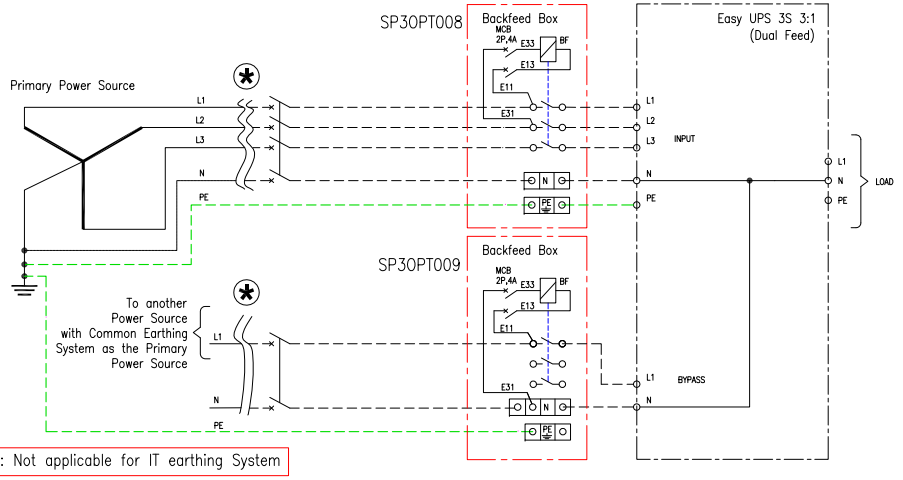
Single Feed UPS (3:3)



Dual Feed UPS (3:3)



Single Feed UPS (3:1)



Dual Feed UPS (3:1)

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 275A 340V-440V, 50/60 Hz SINGLE LINE DIAGRAM
PROJECT:	SUBMITTAL DRAWINGS
SHEET	5 OF 5
DWG NO:	SP30PT009
REV.	0
DRAWN:	DIBYARANJAN 03-MAY-23
ENGINEER:	SANTHOSHA/MADHAN 04-MAY-23
APPROVED:	SYED 04-MAY-23
	ANGLE PROJECTION N.A