



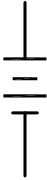


SYMMETRA LX

Sheet No.	Component /Detail	Description
1	Drawing Guide	APC Symmetra LX 16kVA Scalable to 16kVA N+1, Rackmount
2	Isometric View	APC Symmetra LX 16kVA Scalable to 16kVA N+1, Rackmount
3	General Arrangement	APC Symmetra LX 16kVA Scalable to 16kVA N+1, Rackmount
4	Internal View s	APC Symmetra LX 16kVA Scalable to 16kVA N+1, Rackmount
5	In-Out & EPO Connections	APC Symmetra LX 16kVA Scalable to 16kVA N+1, Rackmount
6	System One Line Diagram	APC Symmetra LX 16kVA Scalable to 16kVA N+1, Rackmount
7	Neutral and Ground Continuity	APC Symmetra LX 16kVA Scalable to 16kVA N+1, Rackmount

LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CIRCUIT BREAKER		INVERTER
	CONTACTOR		CONVERTER
	BATTERY		

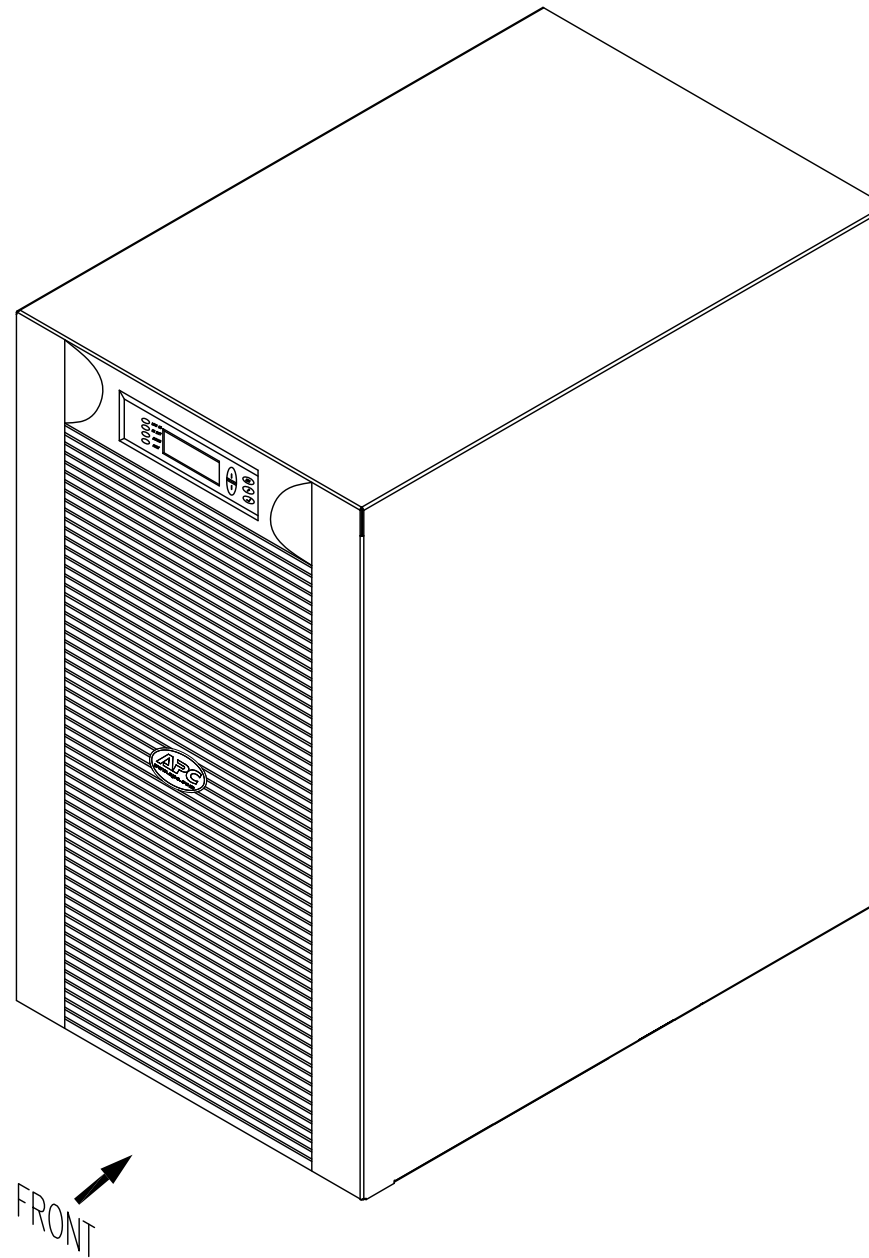
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TITLE:
SYMMETRA LX 16kVA, RACKMOUNT
208/240VAC, 50/60Hz, 1PH INPUT
120/208V OR 120/240V OUTPUT
DRAWING GUIDE

PROJECT: DRAWINGS SHEET 1 OF 7

DWG NO:	SYA16K16RMP	REV.	0
DRAWN:	C KRISHNA	06-JUN-12	ANGLE
ENGINEER:	K.WHITE	06-JUN-12	PROJECTION
APPROVED:	P.AYERS	06-JUN-12	N/A



NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. COLOR – BLACK,SILVER
4. PROTECTION CLASS– IP20.

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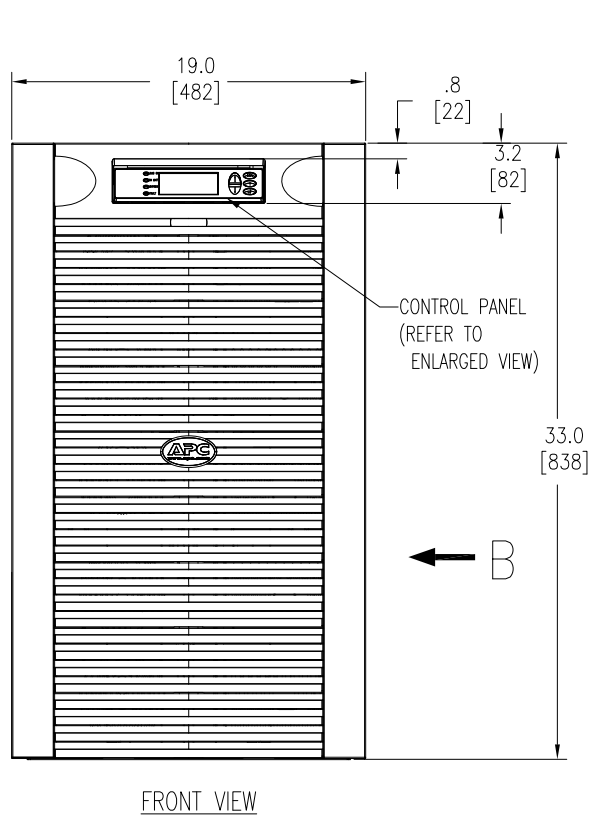
TITLE:
SYMMETRA LX 16kVA, RACKMOUNT
208/240VAC, 50/60Hz, 1PH INPUT
120/208V OR 120/240V OUTPUT
SOLUTION ISOMETRIC

PROJECT: DRAWINGS **SHEET 2 OF 7**

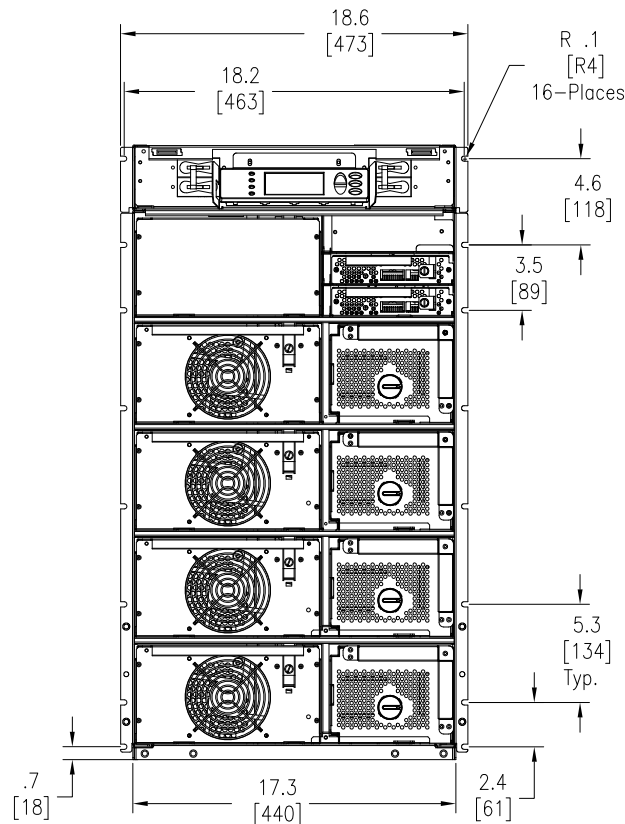
DWG NO: SYA16K16RMP

DRAWN: C KRISHNA	06-JUN-12	THIRD ANGLE PROJECTION
ENGINEER: K.WHITE	06-JUN-12	
APPROVED: P.AYERS	06-JUN-12	

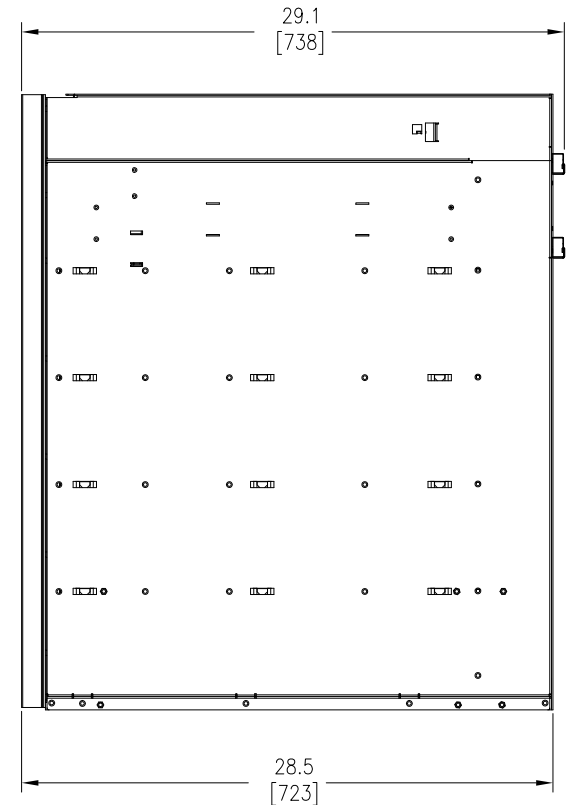
REV. 0



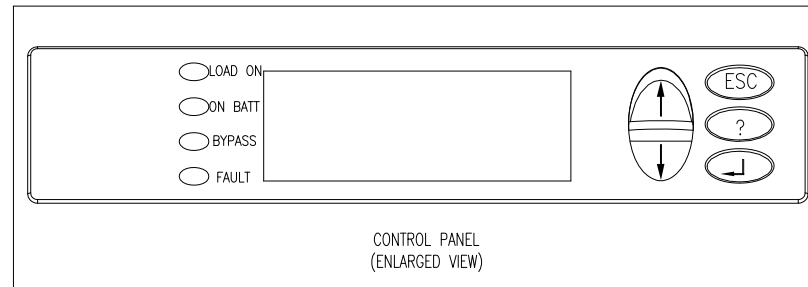
FRONT VIEW



FRONT VIEW
(DOOR REMOVED)



VIEW-B



CONTROL PANEL
(ENLARGED VIEW)

UPS	Dimensions H x W x D Inch[mm]	Weight in LBS [Kg]	Floor Loading lbs/ft ² [kg / m ²]
SYA16K16RMP	32.9x18.6x27.1 [836x472x688]	631 [286.6]	180 [883]

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 INCHES [MILLIMETERS], UNLESS OTHERWISE SPECIFIED.
4. NET WEIGHT OF THE UNIT IS 631 LBS [286.6 kg].
5. CABLE ENTRY IS REAR SIDE OF THE UNIT.
6. AIRFLOW AND SERVICE REQUIREMENTS, AS WELL AS MINIMUM CLEARANCE TO FIRE SUPPRESSION SYSTEMS SHOULD BE CONSIDERED WHEN LOCATING THE UNIT.
7. OPERATING TEMPERATURE - 32°F [0°C] MIN. TO 104°F [40°C]

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Electric

TITLE:
SYMMETRA LX 16kVA, RACKMOUNT
208/240VAC, 50/60Hz, 1PH INPUT
120/208V OR 120/240V OUTPUT
GENERAL ARRANGEMENTS

PROJECT: DRAWINGS **SHEET 3 OF 7**

DWG NO: SYA16K16RMP

DRAWN: C KRISHNA **16-MAR-15**

ENGINEER: K.WHITE **16-MAR-15**

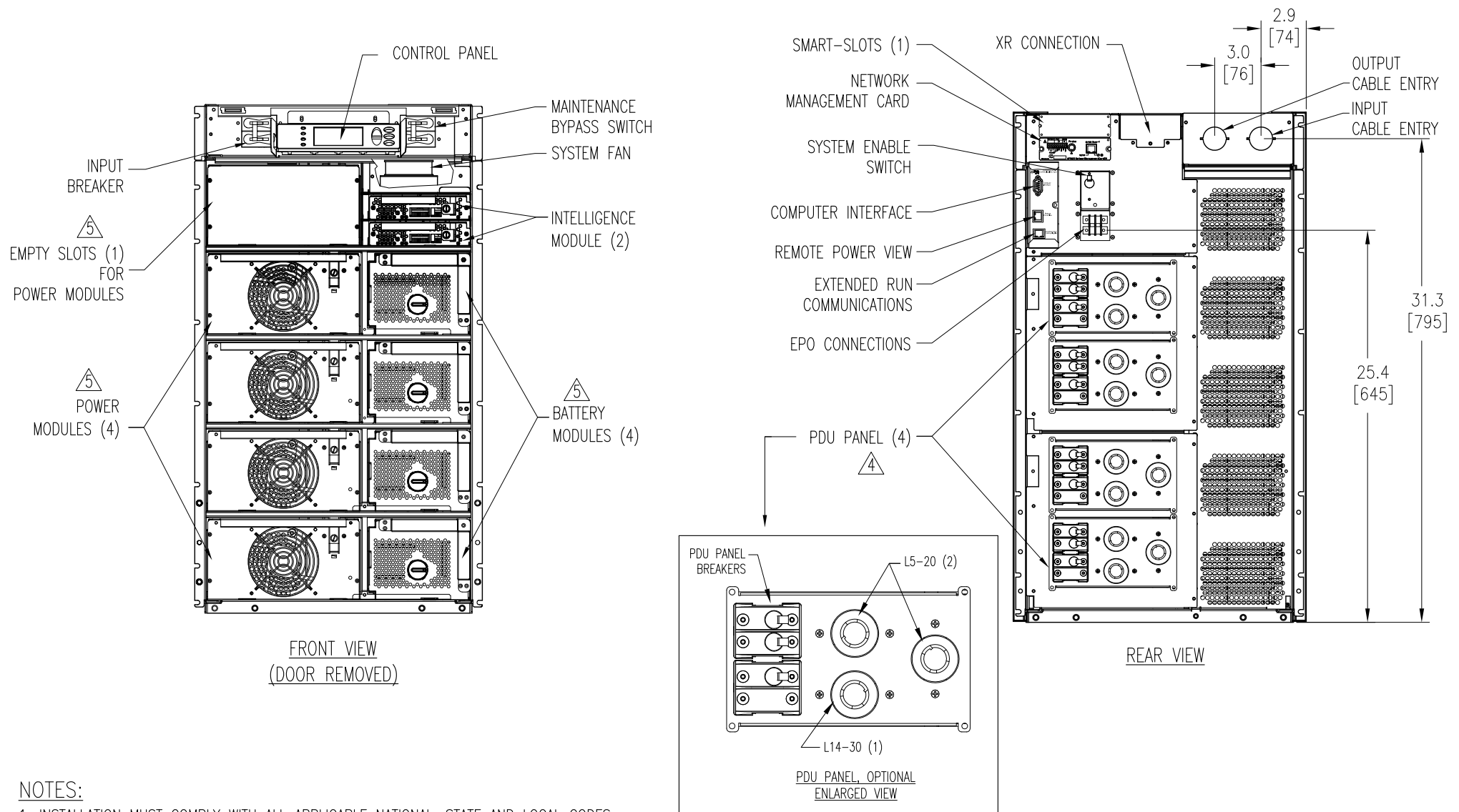
APPROVED: P.AYERS **16-MAR-15**

REV. 2

THIRD

ANGLE

PROJECTION



NOTES:

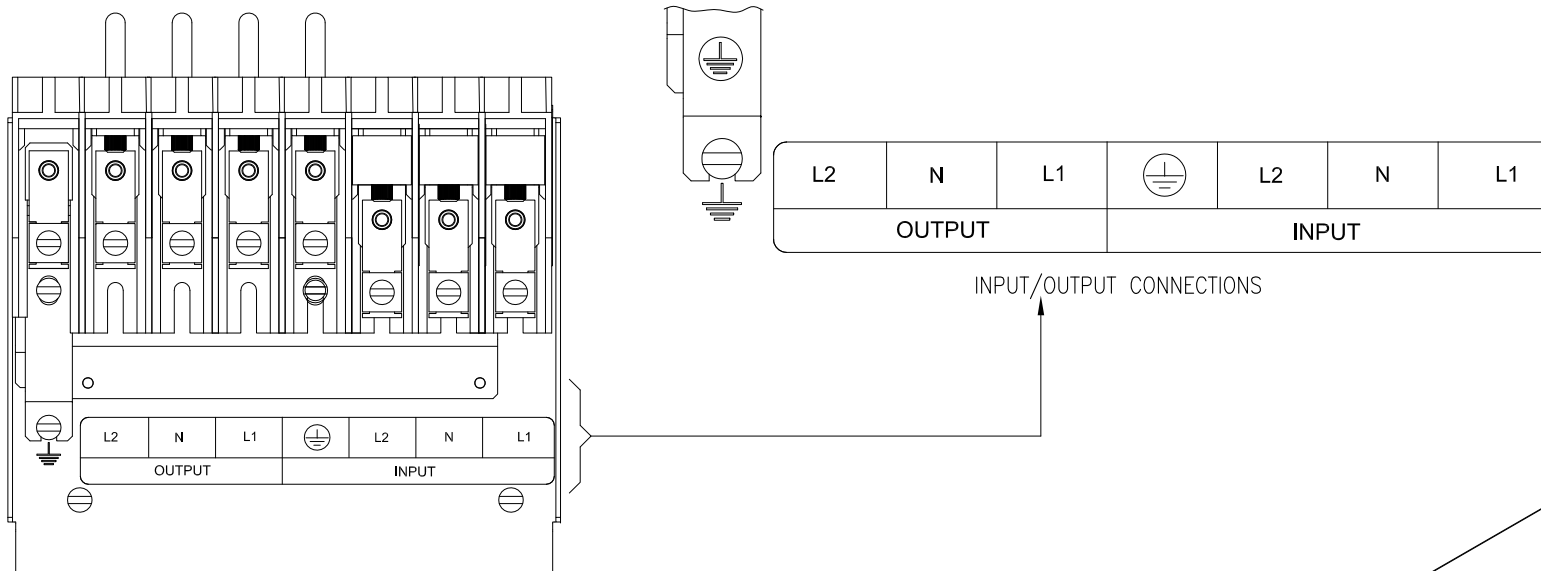
1. INSTALLATION MUST COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK..
3. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS], UNLESS OTHERWISE SPECIFIED.
- △4. UP TO FOUR (4), OPTIONAL, SYMETRA LX PDU PANELS CAN BE PURCHASED SEPARATELY AND INSTALLED TO PROVIDE FURTHER LOAD CONNECTION.
- △5. THE SYMETRA LX, SKU NUMBER SYA16K16RMP, IS SHOWN IN A NON-REDUNDANT CONFIGURATION, HAVING FOUR (4) POWER MODULES (SYPM4KP) AND FOUR (4) BATTERY MODULES (SYBT5), PROVIDING UP TO 16kVA POWER. A FURTHER POWER MODULE (SYPM4KP) CAN BE PURCHASED SEPARATELY AND INSTALLED IN THE SYSTEM, PROVIDING REDUNDANCY.

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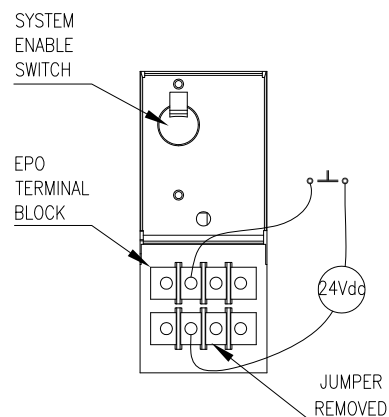
TITLE: SYMETRA LX 16kVA, RACKMOUNT
208/240VAC, 50/60Hz, 1PH INPUT
120/208V OR 120/240V OUTPUT
INTERNAL VIEWS
PROJECT: DRAWINGS SHEET 4 OF 7

DWG NO:	SYA16K16RMP	REV.	1
DRAWN:	C. KRISHNA	31-JAN-13	THIRD ANGLE
ENGINEER:	K. WHITE	31-JAN-13	PROJECTION
APPROVED:	P. AYERS	31-JAN-13	

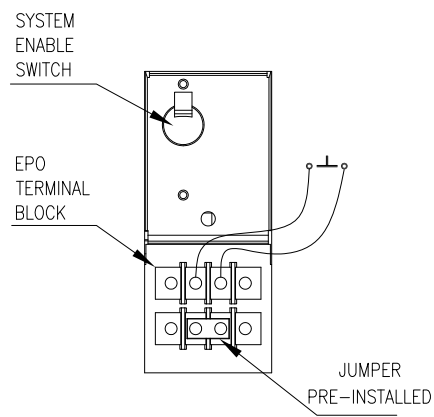


TOP VIEW (ENLARGED)
INPUT/OUTPUT CONNECTIONS

IF REQUIRED: Connect the Remote Emergency Power Off (REPO) Circuit on the UPS

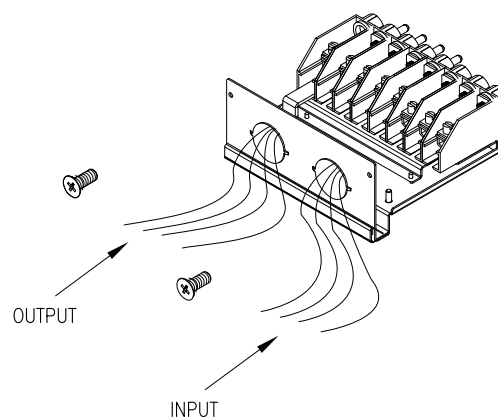


IF INSTALLATION USES
A SWITCH CONTACT
AND A 24Vdc POWER SUPPLY
EXTERNAL TO THE UPS



IF INSTALLATION USES
SINGLE EXTERNAL
SWITCH CONTACT.

TOP VIEW
INPUT/OUTPUT CONNECTIONS
(REFER ENLARGED VIEW)



REAR VIEW
DISTRIBUTION UNIT DETAILS,
TOP AND SIDE HOLES NOT SHOWN

NOTES:

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2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.

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Electric

TITLE:
SYMMETRA LX 16kVA, RACKMOUNT
208/240VAC, 50/60Hz, 1PH INPUT
120/208V OR 120/240V OUTPUT
INPUT-OUTPUT AND EPO CONNECTIONS

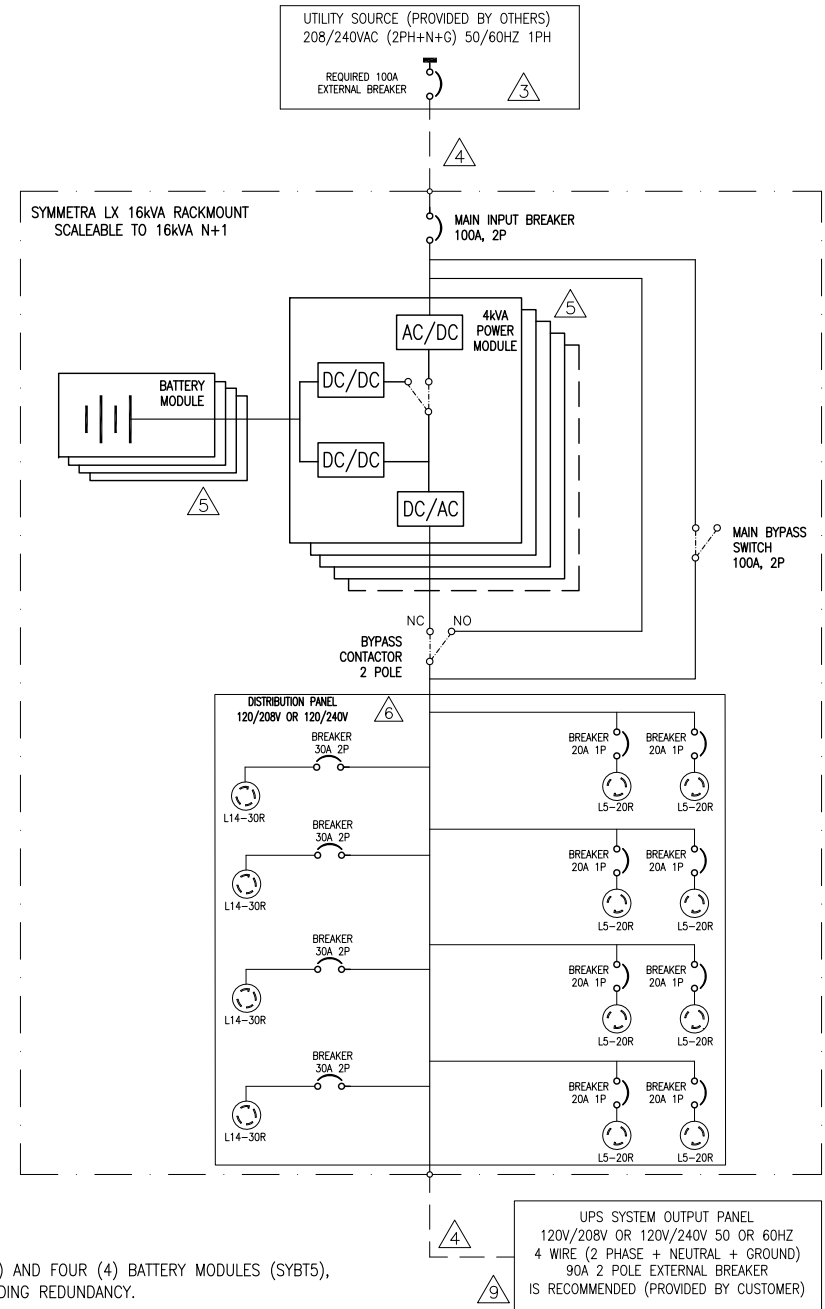
PROJECT: DRAWINGS SHEET 5 OF 7

DWG NO: SYA16K16RMP

DRAWN: C KRISHNA	06-JUN-12
ENGINEER: K.WHITE	06-JUN-12
APPROVED: P.AYERS	06-JUN-12

REV. 0

THIRD
ANGLE
PROJECTION



NOTES:

1. INSTALLATION MUST COMPLY WITH NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. UTILITY SOURCE MUST BE 1PH 208V/240V 50/60HZ 2PH+N+G PROVIDED BY OTHERS. NEUTRAL AND GROUND CONTINUITY IS SHOWN ON SHEET 2 OF THIS DRAWING.
4. DASHED LINES BETWEEN UNITS (- - - -) REPRESENT CABLING PROVIDED BY OTHERS.
5. THE SYMMETRA LX, SKU NUMBER SYA16K16RMP, IS SHOWN IN A NON-REDUNDANT CONFIGURATION, HAVING FOUR (4) POWER MODULES (SYPM4KP) AND FOUR (4) BATTERY MODULES (SYBT5), PROVIDING UP TO 16kVA POWER. A FURTHER POWER MODULE (SYPM4KP) CAN BE PURCHASED SEPARATELY AND INSTALLED IN THE SYSTEM, PROVIDING REDUNDANCY.
6. UP TO FOUR (4), OPTIONAL, SYMMETRA LX PDU PANELS CAN BE PURCHASED SEPARATELY AND INSTALLED TO PROVIDE FURTHER LOAD CONNECTIONS.
7. BLOCKS SHOWN WITH DASHED (-----) LINES REPRESENTS AVAILABLE SPACE/SLOTS FOR ADDITIONAL POWER MODULES AND BATTERY UNITS.
8. UP TO SIX (6) ADDITIONAL EXTENDED RUN BATTERY CABINETS CAN BE CONNECTED TO INCREASE THE RUNTIME FURTHER.
9. SMALLER OUTPUT BREAKER MAY BE USED TO ALLOW CIRCUIT BREAKER COORDINATION, HOWEVER THIS MAY REDUCE THE MAXIMUM LOAD KVA SUPPORTED.

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Electric

TITLE:
SYMMETRA LX 16kVA, RACKMOUNT
208/240VAC, 50/60Hz, 1PH INPUT
120/208V OR 120/240V OUTPUT
SYSTEM SINGLE LINE-DIAGRAM

PROJECT: DRAWINGS SHEET 6 OF 7

DWG NO: SYA16K16RMP

DRAWN: C KRISHNA 31-JAN-13

ENGINEER: K.WHITE 31-JAN-13

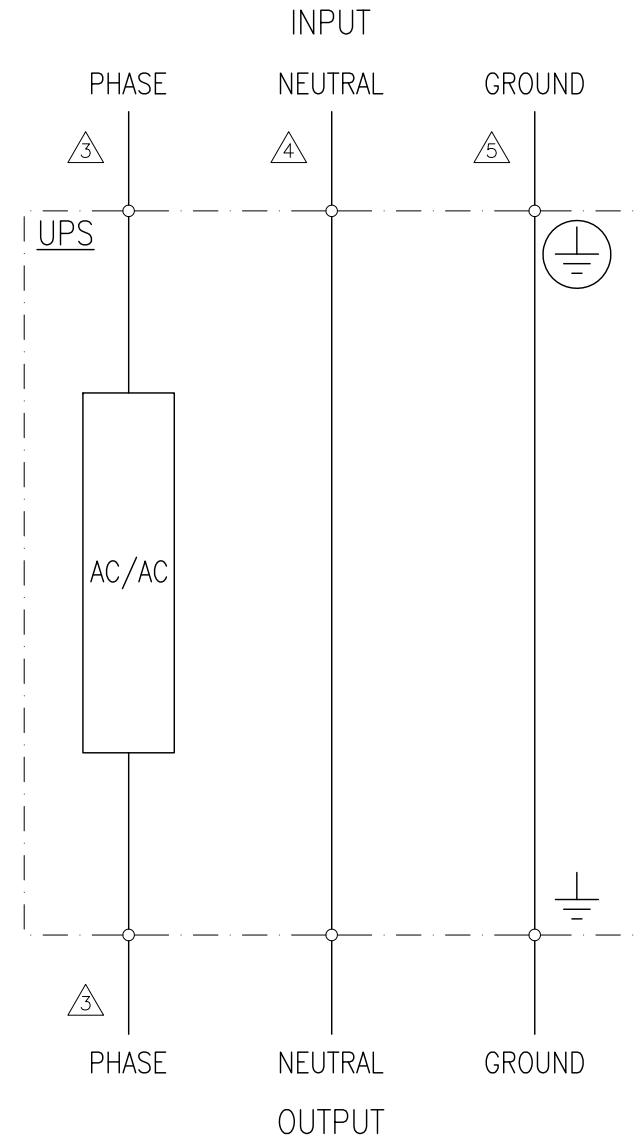
APPROVED: P.AYERS 31-JAN-13

REV. 1

ANGLE

PROJECTION

N/A



NOTES:

1. INSTALLATION MUST COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
- △3. ONE OR MORE PHASE CONNECTIONS DEPENDING ON MODEL.
- △4. INPUT AND OUTPUT NEUTRAL ARE PERMANENTLY CONNECTED.
- △5. INPUT AND OUTPUT GROUND ARE PERMANENTLY CONNECTED.
6. EQUIPMENT IS NOT CONSIDERED A SEPARATELY DERIVED SYSTEM. (REF NEC 2008 ARTICLE 250.20.(D))

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TITLE:
SYMMETRA LX 16kVA, RACKMOUNT
208/240VAC, 50/60Hz, 1PH INPUT
120/208V OR 120/240V OUTPUT
NEUTRAL AND GROUND CONTINUITY

PROJECT: DRAWINGS SHEET 7 OF 7

DWG NO:	SYA16K16RMP	REV.	0
DRAWN:	C KRISHNA	06-JUN-12	ANGLE
ENGINEER:	K.WHITE	06-JUN-12	PROJECTION
APPROVED:	P.AYERS	06-JUN-12	N/A