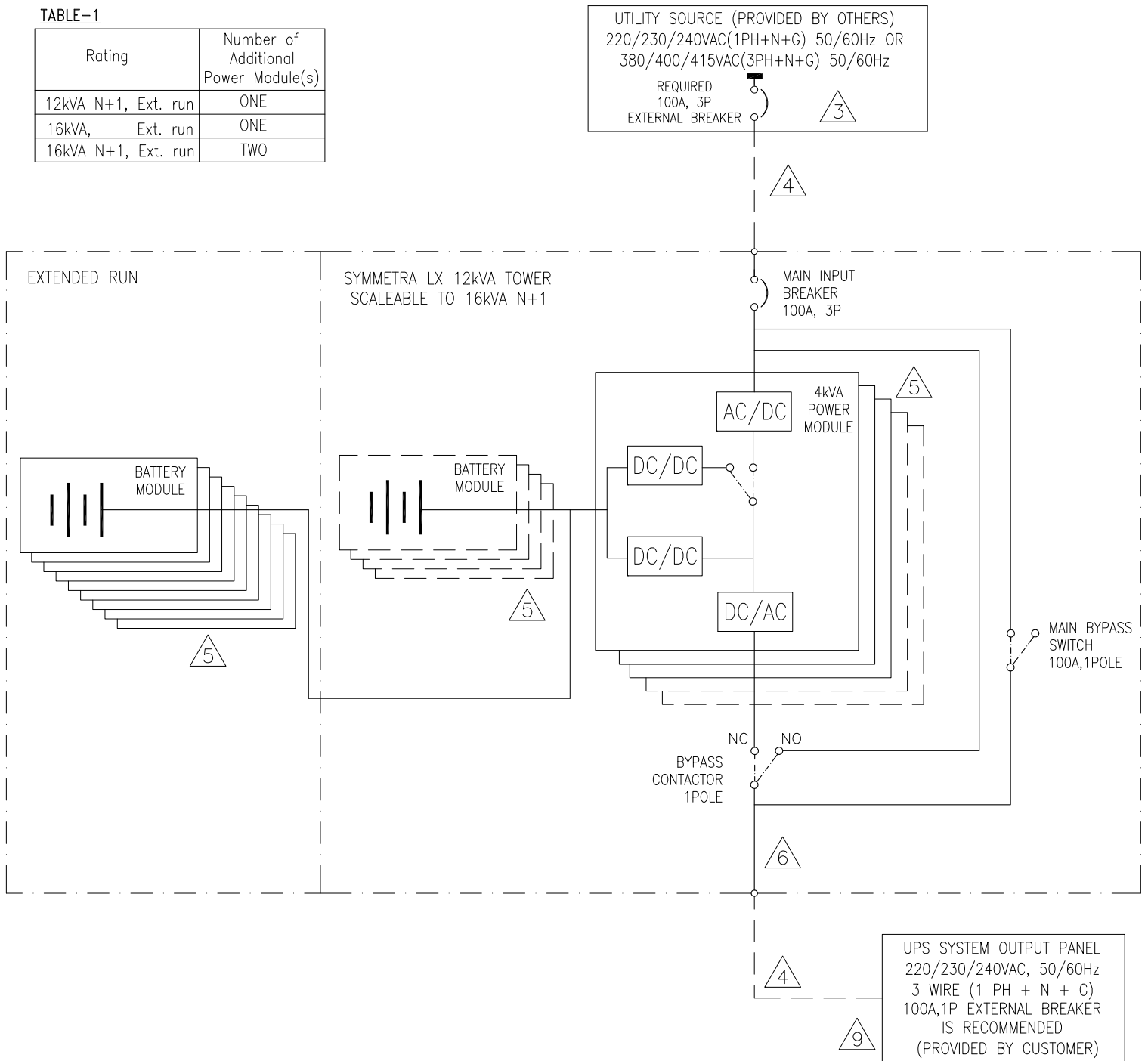


TABLE-1

Rating	Number of Additional Power Module(s)
12kVA N+1, Ext. run	ONE
16kVA, Ext. run	ONE
16kVA N+1, Ext. run	TWO



NOTES:

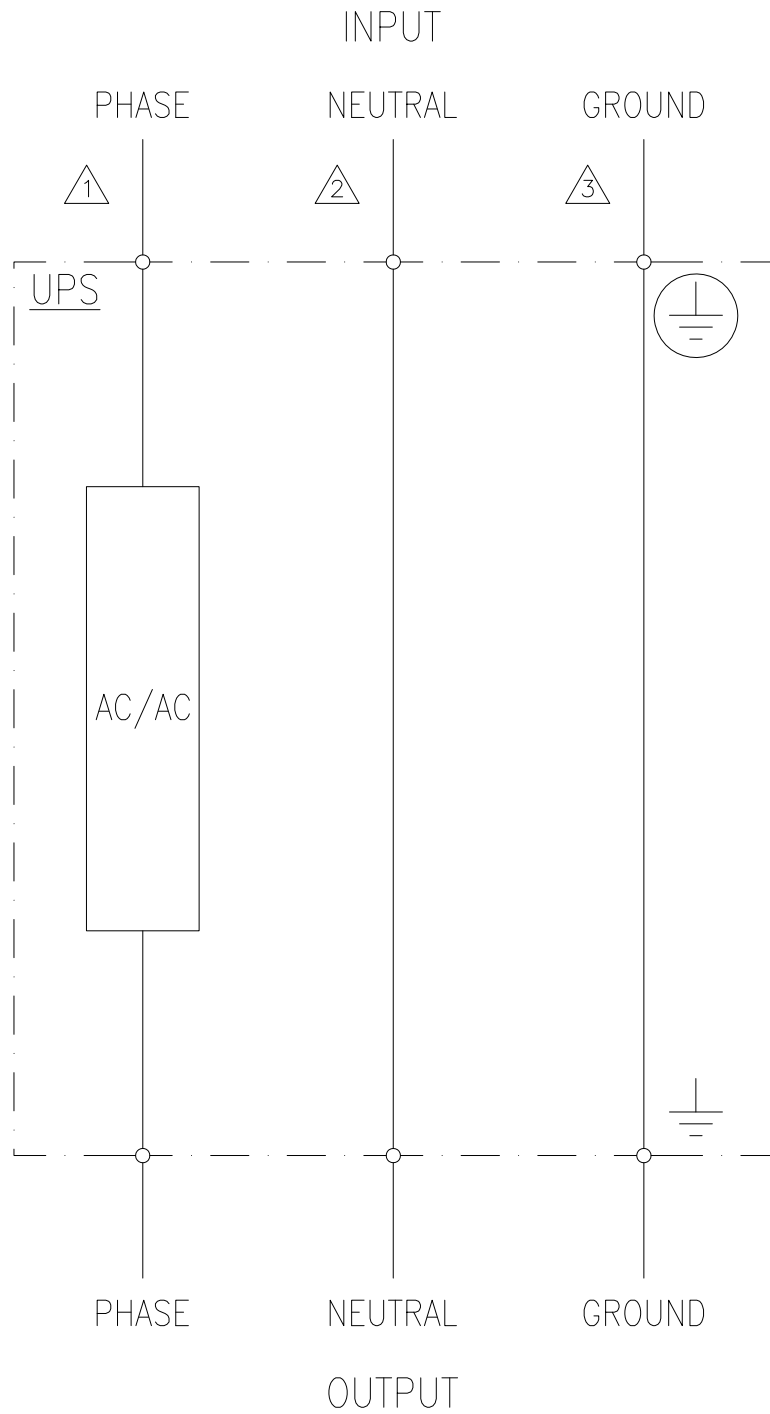
1. INSTALLATION MUST COMPLY WITH NATIONAL AND LOCAL ELECTRICAL REGULATIONS.
2. PLEASE REFER TO PRODUCT MANUALS FOR DETAILED INFORMATION.
- △ 3. UTILITY SOURCE MUST BE 1PH 220/230/240VAC (1PH+N+G) 50/60Hz OR 3PH 380/400/415VAC(3PH+N+G) 50/60Hz PROVIDED BY OTHERS. NEUTRAL AND GROUND CONTINUITY IS SHOWN ON SHEET 2 OF THIS DRAWING.
- △ 4. DASHED LINES BETWEEN UNITS (- - - -) REPRESENT CABLING PROVIDED BY OTHERS.
- △ 5. THE SYMMETRA LX, SKU NUMBER SYA12K16IXR, IS SHOWN IN A NON-REDUNDANT CONFIGURATION, HAVING THREE (3) POWER MODULES (SYPM4KI) AND NINE (9) BATTERY MODULES (SYBT5), PROVIDING UP TO 12kVA POWER. FURTHER POWER MODULES (SYPM4KI) CAN BE PURCHASED SEPARATELY AND INSTALLED IN THE SYSTEM, IN ACCORDANCE WITH **TABLE-1**, PROVIDING SALABILITY AND/OR REDUNDANCY. THE RUNTIME CAN ALSO BE FURTHER EXTENDED BY THE PURCHASE AND INSTALLATION OF UP TO FOUR (4) ADDITIONAL BATTERY MODULES (SYBT5) IN THE MAIN UPS FRAME.
- △ 6. UP TO THREE (3), 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 EXTENSION BATTERY CABINETS CAN BE CONNECTED TO INCREASE THE RUNTIME FURTHER.
- △ 9. A SMALLER OUTPUT BREAKER MAY BE USED TO ALLOW CIRCUIT BREAKER COORDINATION, HOWEVER THIS MAY REDUCE THE MAXIMUM LOAD KVA SUPPORTED.

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TITLE: SYMMETRA LX 12kVA TOWER, XR
 INPUT: 220/230/240VAC (1φ+N+G) 50/60Hz
 OR 380/400/415VAC (3φ+N+G) 50/60Hz
 OUTPUT: 220/230/240VAC 50/60Hz
 SYSTEM SINGLE-LINE DIAGRAM

DWG NO:	SYA12K16IXR-SD	REV.	2
DRAWN:	S CUNHA	13-JAN-11	PROJ.
ENGINEER:	K WHITE	13-JAN-11	ANGLE
APPROVED:	N WHITING	13-JAN-11	N/A



NOTES:

- △1. ONE OR MORE PHASE CONNECTIONS DEPENDING ON MODEL.
- △2. INPUT AND OUTPUT NEUTRAL ARE PERMANENTLY CONNECTED.
- △3. INPUT AND OUTPUT GROUND ARE PERMANENTLY CONNECTED.
- 4. EQUIPMENT IS NOT CONSIDERED A SEPARATELY DERIVED SYSTEM.
(REF NEC 2008 ARTICLE 250.20.(D))

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TITLE: SYMMETRA LX 12kVA TOWER, XR
 INPUT: 220/230/240VAC (1φ+N+G) 50/60Hz
 OR 380/400/415VAC (3φ+N+G) 50/60Hz
 OUTPUT: 220/230/240VAC 50/60Hz
 NEUTRAL AND GROUND CONTINUITY

DWG NO:	SYA12K16IXR-SD	REV:	0
DRAWN:	S CUNHA	13-JAN-11	PROJ.
ENGINEER:	K WHITE	13-JAN-11	ANGLE
APPROVED:	N WHITING	13-JAN-11	N/A