



- NOTES:
1. PLEASE REFER TO PRODUCT MANUALS FOR DETAILS.
  - △2. MUST BE L1,L2,L3,N,PE SOURCE PROVIDED BY OTHERS.
  3. ----- = AC/DC CABLING PROVIDED BY OTHERS.
  4. ALL AC POWER CABLING IS L1,L2,L3,N,PE, UNLESS OTHERWISE SPECIFIED.
  - △5. DC CABLING SHOULD BE SEGREGATED FROM AC CABLING SEE BATTERY INSTALLATION INFORMATION.
  6. UPS INPUT AND OUTPUT CABLES SHOULD BE SEGREGATED.
  7. POWER WIRING AND CONTROL WIRING SHOULD BE SEGREGATED.
  - △8. XR BATTERY CABINET IS AVAILABLE WITHOUT BREAKER, WITH DC FUSES ONLY.
  9. XR BATTERY CABINET CAN BE BAYED TO UPS. BAYING KIT HAS TO BE PURCHASED AS AN OPTION. UP TO 4 XR BATTERY CABINETS CAN BE CONNECTED TO UPS TO EXTEND BACKUP TIME.
  - △10. FOR DUAL MAINS INSTALLATION 3 BRIDGE BUS BARS BETWEEN MAIN AND BYPASS INPUTS HAVE TO BE REMOVED.
  - △11. BYPASS INPUT CAN BE PROVIDED VIA MAINS INPUT OR OTHER NON-SYNCHRONIZED SOURCE. PLEASE CONTACT APC IF DUAL SOURCES ARE BOTH SEPARATELY DERIVED POWER SYSTEMS.
  12. SUVTP DELIVERED WITH INTERNAL MAINTENANCE BYPASS SWITCH. WHICH NEEDS TO BE REMOVED PRIOR TO CONNECTING FOR PARALLEL OPERATION.
  13. OUTPUT OVERCURRENT PROTECTION MUST BE PROVIDED BY OTHERS. RECOMMENDED OUTPUT BREAKER RATING 80A.
  - △14. THIS DRAWING SHOWS MAXIMUM NUMBER OF BATTERY MODULES IN EACH CABINET. THE QUANTITY OF BATTERY MODULE IS SKU SPECIFIC. EX. SUVTPxxKH1B4  
 └── CAN BE EXPANDED UP TO (4) BATTERY MODULES  
 └── MINIMUM NUMBER (1) OF BATTERY MODULES.
  - EX. SUVTBXR2B6S  
 └── CAN BE EXPANDED UP TO (6) BATTERY MODULES.  
 └── MINIMUM NUMBER (2) OF BATTERY MODULES.
  15. INSTALLATION MUST COMPLY WITH NATIONAL AND LOCAL ELECTRICAL REGULATIONS.
  - △16. MUST BE L1,L2,L3,PE SOURCE PROVIDED BY OTHERS.

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TITLE: SMART-UPS VT 20kVA  
 INPUT: 3x400/230V DUAL MAINS  
 OUTPUT: 3x400/230V  
 3 MODULE N+1 CAPACITY  
 SYSTEM ONE LINE DIAGRAM

PROJECT: SUBMITTAL DRAWINGS SHEET 1 OF 1

DWG NO: SUVTP20KH2R3-SD  
 DRAWN: BALAMURUGAN  
 ENGINEER: SANDERSEN  
 APPROVED: S.WAGH/E.SILVA

REV: 2  
 DATE: 13-NOV-15  
 ANGLE PROJECTION: N.A.