



- NOTES:
- PLEASE REFER TO PRODUCT MANUALS FOR DETAILS.
  - MUST BE L1,L2,L3,N,PE SOURCE PROVIDED BY OTHERS.
  - = AC/DC CABLING PROVIDED BY OTHERS.
  - ALL AC POWER CABLING IS L1,L2,L3,N,PE. UNLESS OTHERWISE SPECIFIED.
  - DC CABLING SHOULD BE SEGREGATED FROM AC CABLING SEE BATTERY INSTALLATION INFORMATION.
  - UPS INPUT AND OUTPUT CABLES SHOULD BE SEGREGATED.
  - POWER WIRING AND CONTROL WIRING SHOULD BE SEGREGATED.
  - XR BATTERY CABINET IS AVAILABLE WITHOUT BREAKER, WITH DC FUSES ONLY.
  - 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.
  - FOR DUAL MAINS INSTALLATION 3 BRIDGE BUS BARS BETWEEN MAIN AND BYPASS INPUTS HAVE TO BE REMOVED.
  - 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.
  - SUVTX DELIVERED WITH INTERNAL MAINTENANCE BYPASS SWITCH. WHICH NEEDS TO BE REMOVED PRIOR TO CONNECTING FOR PARALLEL OPERATION.
  - OUTPUT OVERCURRENT PROTECTION MUST BE PROVIDED BY OTHERS. RECOMMENDED OUTPUT BREAKER RATING 160A.
  - THIS DRAWING SHOWS MAXIMUM NUMBER OF BATTERY MODULES IN EACH CABINET. THE QUANTITY OF BATTERY MODULE IS SKU SPECIFIC.
- EX. SUVTXxxKH1B4  
 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.
- INSTALLATION MUST COMPLY WITH NATIONAL AND LOCAL ELECTRICAL REGULATIONS.
  - MUST BE L1,L2,L3,PE SOURCE PROVIDED BY OTHERS.

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TITLE: SMART-UPS VTI 20KVA  
 INPUT: 3x400/230V DUAL MAINS  
 OUTPUT: 3x400/230V  
 4 MODULE CAPACITY  
 SYSTEM ONE LINE DIAGRAM

PROJECT: SUBMITTAL DRAWINGS SHEET 1 OF 1

DWG NO: SUVTX20KH2C4-SD  
 DRAWN: BALAMURUGAN  
 ENGINEER: SANDERSEN  
 APPROVED: S.WAGH/E.SILVA

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