



- 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.
 - 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.
 - SINGLE MAINS INSTALLATION IS DEFAULT.
 - DUAL MAINS OPTION REQUIRES CUSTOMER ENGINEERED MAINTENANCE BYPASS PANEL. PLEASE CONTACT APC CUSTOMER ENGINEERING GROUP FOR DETAILS.
 - SUVT20 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 100A.
 - 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.
 - INSTALLATION MUST COMPLY WITH NATIONAL AND LOCAL ELECTRICAL REGULATIONS.

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TITLE: SMART-UPS VTI 20KVA
 INPUT: 3x400/230V SINGLE MAINS
 OUTPUT: 3x400/230V
 3 MODULE CAPACITY
 SYSTEM ONE LINE DIAGRAM
 PROJECT: SUBMITTAL DRAWINGS SHEET 1 OF 1

DWG NO: SUVTP20KH1C3-SD
 DRAWN: BALAMURUGAN
 ENGINEER: SANDERSEN
 APPROVED: CLARSEN/S.WAGH/E.SILVA

REV. 1
 08-FEB-10
 08-FEB-10
 08-FEB-10
 ANGLE PROJECTION
 N.A.