



**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.
- △ 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 CAN BE BAYED TO UPS. BAYING KIT HAS TO BE PURCHASED AS AN OPTION.  
XR BATTERY CABINET IS ALSO AVAILABLE WITHOUT BREAKER, WITH DC FUSES ONLY  
UP TO 4 XR BATTERY CABINETS CAN BE CONNECTED TO UPS TO EXTEND BACKUP TIME
9. SINGLE MAINS INSTALLATION IS A DEFAULT.  
DUAL MAINS OPTION REQUIRES CUSTOM ENGINEERED MAINTENANCE BYPASS PANEL.  
PLEASE CONTACT APC CUSTOM ENGINEERING GROUP FOR DETAILS.
10. SUVTP DELIVERED WITH INTERNAL MAINTENANCE BYPASS SWITCH. WHICH NEEDS TO BE REMOVED PRIOR TO CONNECTING FOR PARALLEL OPERATION.
11. OUTPUT OVERCURRENT PROTECTION MUST BE PROVIDED BY OTHERS.  
RECOMMENDED OUTPUT BREAKER RATING 63A.
- △ 12. 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.
13. INSTALLATION MUST COMPLY WITH NATIONAL AND LOCAL ELECTRICAL REGULATIONS.

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TITLE: SMART-UPS VT 20kVA  
 INPUT: 3x400/230V SINGLE MAINS  
 OUTPUT: 3x400/230V  
 2 MODULE CAPACITY  
 SYSTEM ONE LINE DIAGRAM

DWG NO: SUVTP20KH1C2-SD REV. 1  
 DRAWN: BALAMURUGAN 08-FEB-10 ANGLE PROJECTION  
 ENGINEER: SANDERSEN 08-FEB-10 N.A  
 APPROVED: CLARSEN/S.WAGH/E.SILVA 08-FEB-10