



**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 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. OUTPUT OVERCURRENT PROTECTION MUST BE PROVIDED BY OTHERS.  
RECOMMENDED OUTPUT BREAKER RATING 35A
- △12. MBS HAS TO BE DISABLED WHILE USING WITH MAINTENANCE BYPASS PANEL.
- △13. 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.
14. INSTALLATION MUST COMPLY WITH NATIONAL AND LOCAL ELECTRICAL REGULATIONS.

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**TITLE:** SMART-UPS VT 20kVA WITH ONE MAINS SUPPLY ON THE MBP  
**INPUT:** 3x400/230V DUAL FEED  
**OUTPUT:** 3x400/230V  
 2 MODULE N+1 CAPACITY SYSTEM ONE LINE DIAGRAM  
**PROJECT:** SUBMITTAL DRAWINGS **SHEET 1 OF 1**

**DWG NO:** SUVTP20KH2R2M1-SD  
**DRAWN:** BALAMURUGAN  
**ENGINEER:** B.H.NIELSEN  
**APPROVED:** CLARSEN

**REV. 1**  
**ANGLE PROJECTION**  
 09-FEB-10  
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