U. P. S.

USER MANUAL

POWER FAMILY：UPS、AVR、INVERTER .

SINCE 2007

CONTENTS

1. SYSTEM-INTRODUCTION

1-1 TX series UPS is designed to provide the load a regulated 3 Phase output Under all rated load and input supply condition .

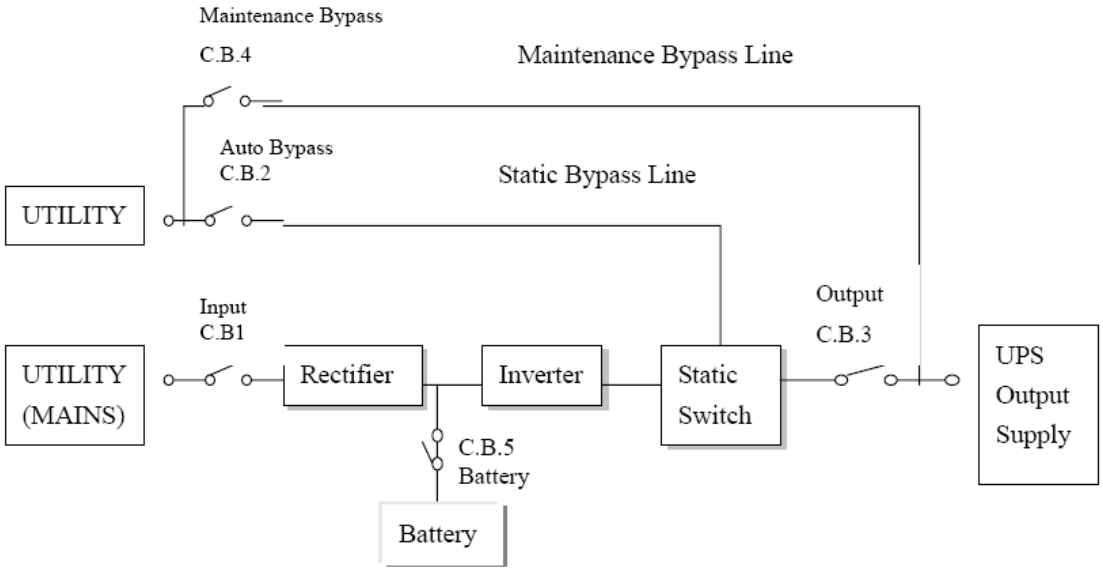
1-2 reduce
noise and spikes . The Rectifier provides isolated , regulated and filtered DC
power to the Inverter . A portion of this isolated power is used to charge the

1-3 batteries
source to supply back – up power to critical load . The advanced switching
technology employed in this UPS enables the unit to handle a wide range of

1-4 until
nearly discharged at which time the UPS automatically shuts off power to the load . When the utility power comes back within tolerance , the UPS continues to supply power to your critical equipment while recharging the battery .

1-5 This UPS is a high performance , on – line , microprocessor controlled . Uninterruptible Power System designed to protect personal computers , Computer equipment for data processing , telecommunications , hospital/ Health care and any other critical equipment from corruption or loss of Information due to electrical line disturbances

2. SYSTEM MODULES



2-1 Modulation Conversion (SPWM) . The Inverter is capable of accepting the rectifier or battery voltage , and delivering AC power to the critical load .

2-2 SWITCHGEAR

The UPS includes the following switch gear (circuit breaker with adjustable current trip) :

A. Input Utility (mains) Circuit Breaker.
B. Output Circuit Breaker.
C. Auto Bypass Circuit Breaker.
D. Battery Circuit Breaker
E. Maintenance Bypass Circuit Breaker

3.GENERAL SAFETY INSTRUCTIONS

This manualcontains important instructions what should be followed during maintenance of the UPS .
Lethal voltages and other hazards may be encountered when servicing UPS equipment. Installation must be performed by qualified personnel only. Service must be performed by qualified service engineers.

WARNING

LETHAL VOLTAGES ARE PRESENT WITHIN THIS EQUIPMENT. ACCESS TO THE MODULE INTERIOR SHOULD ONLY BE UNDERTAKEN BY COMPETENT PERSONS AWARE OF THE POTEN - TIAL HAZARDS.

WARNING

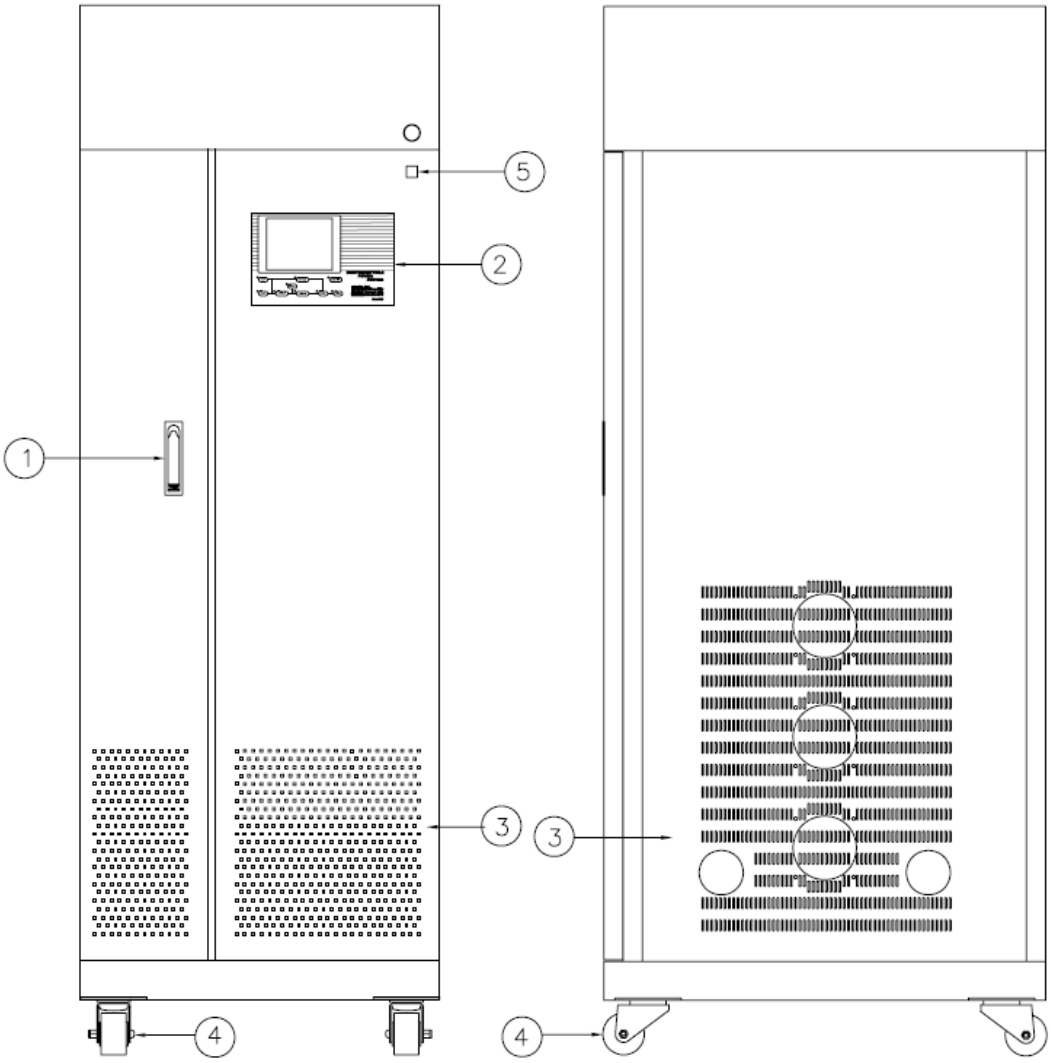
CERTAIN AREAS OF THE UPS WILL REMAIN LIVE EVEN WHEN THE UPS IS SHUT - DOWN. DO NOT TOUCH ANY INTERNAL OR EXPOSED PART OF THIS EQUIPMENT.

The risk of contact with these voltages is minimized as the component parts are housed within a sheet steel enclosure with screwed panels and doors. No risks exist to any personnel in operating this equipment in the normal manner.

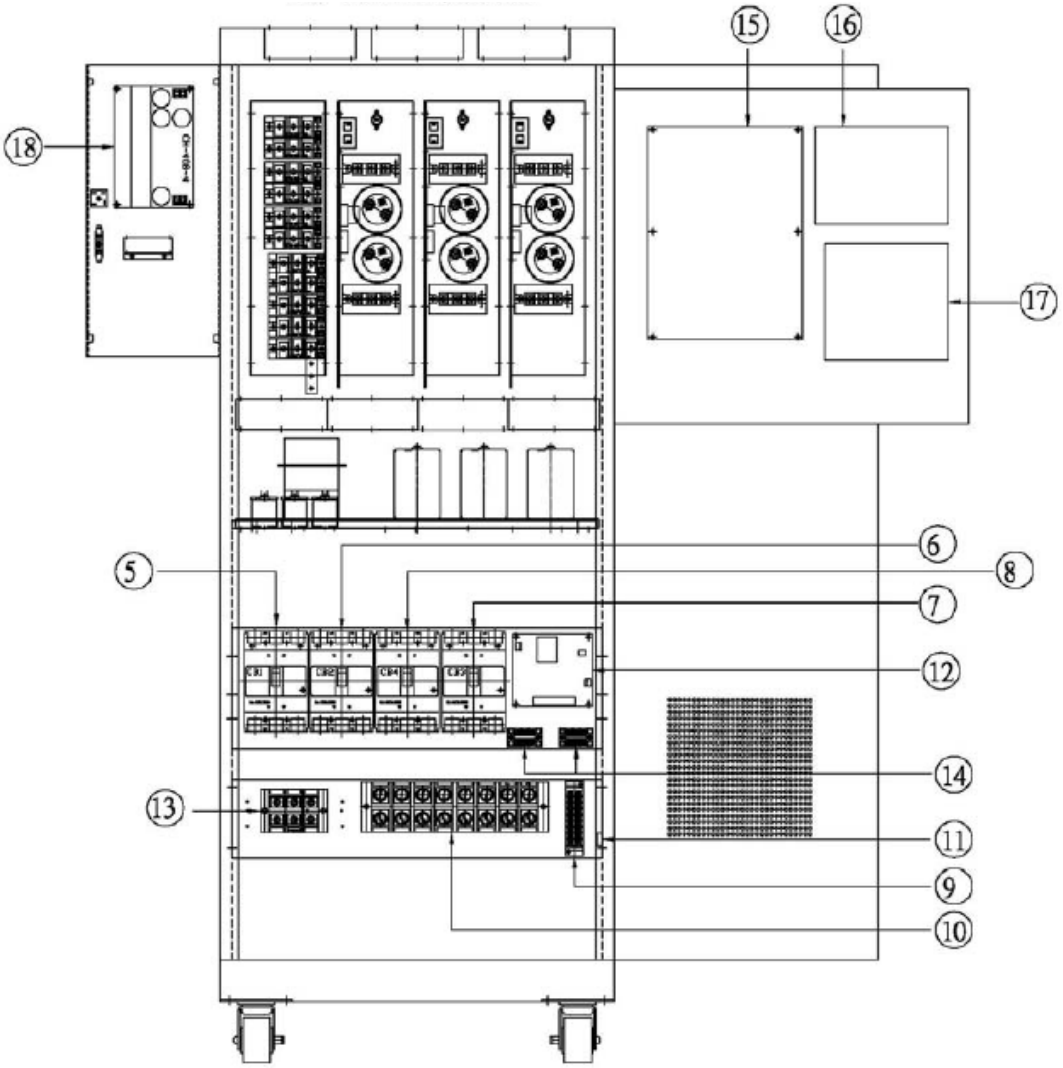
When servicing the equipment with the doors open, or if screwed panels are removed, the risk of contact with dangerous voltage is presented and great care should be exercised.

HIGH BATTERY VOLTAGE
These UPS system are operated with batteries, The batteries are not isolated from the electrical ground. The high voltages involved are dangerous and can cause severe injury, burns and even fatal shock.

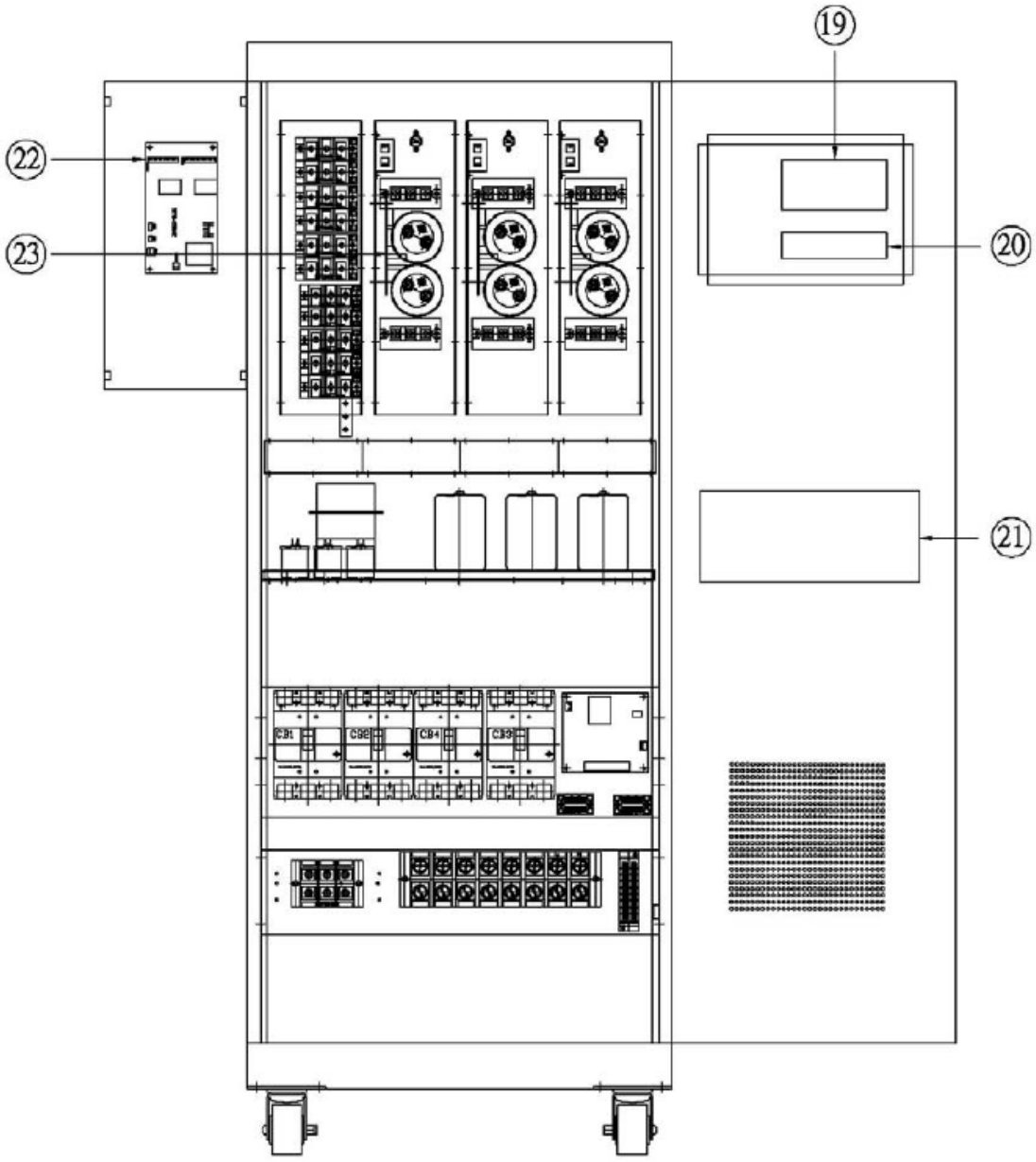
4.ENCLOSURE OUTLINE



1. Lock (enclose the model of the lock)
2. Large-scale LCD & LED display
3. Inlet port
4. Regular wheel
5. EPO (apolegamy)



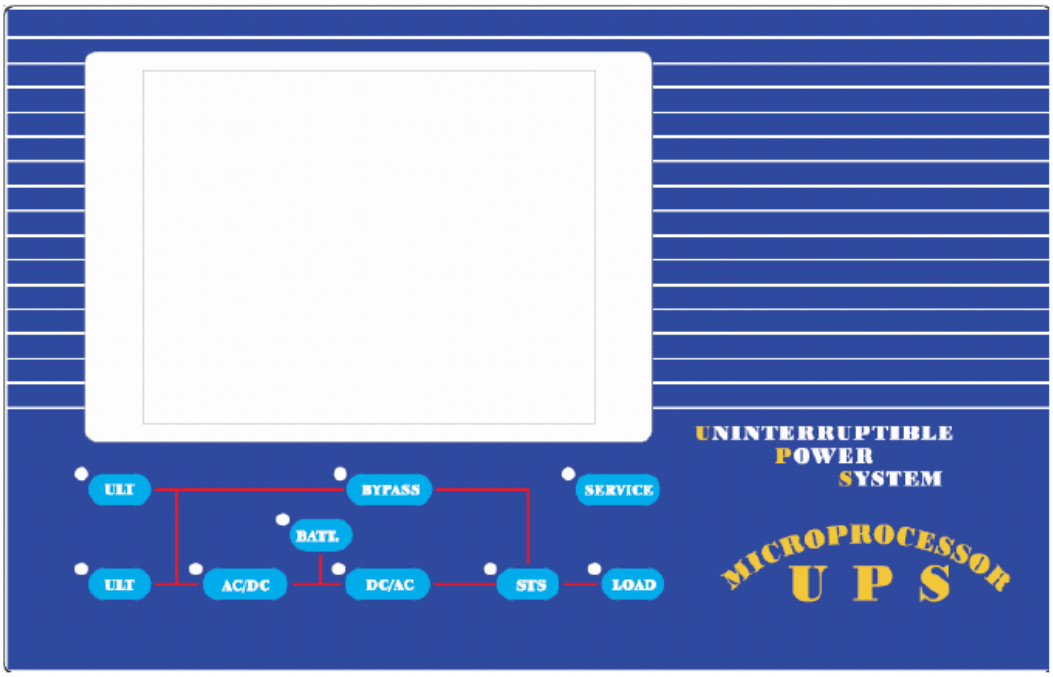
5. Input Utility (mains) Circuit Breaker.
6. Auto Bypass Circuit Breaker.
7. Output Circuit Breaker.
8. Maintenance Bypass Circuit Breaker
9.REMOTE CONTROL
10.UTILITY (MAINS) TERMINAL
11.SNMP (apolegamy)
12.REMOTE INTERFACE (apolegamy)
13.BATTERY TERMINAL
14.FAN TERMINAL
15.PCB 3301
16.PCB 3305
17.PCB 3309
18.PCB 408



19.LCD
20.LED
21.PCB
22.PCB 3304
23.PCB 3303

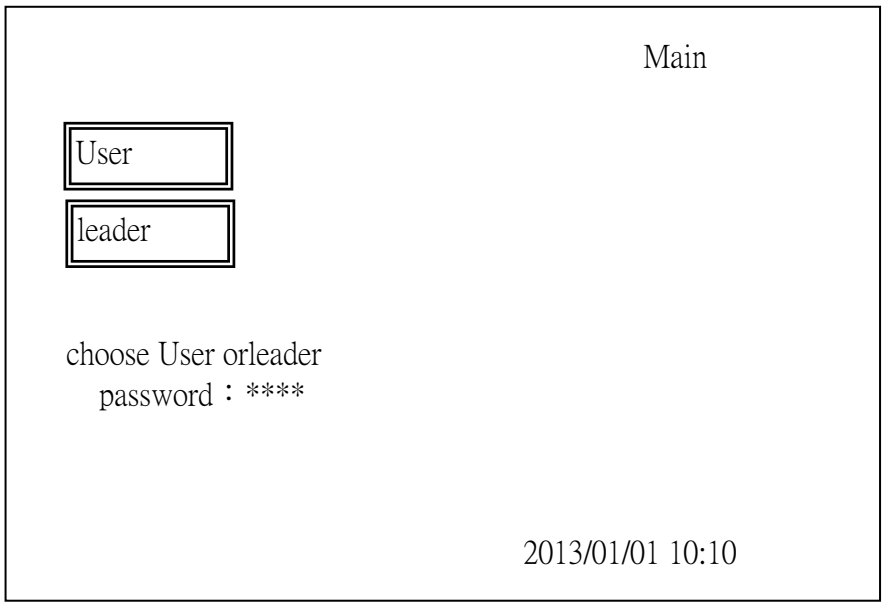
5.OPERATING INSTRUCTIONS

5-1 LCD&LED



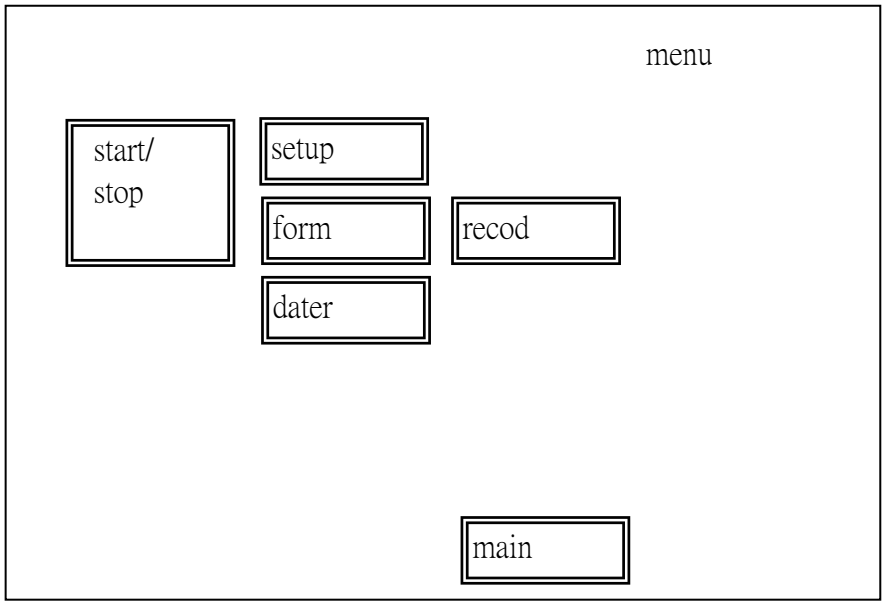
5-2 LCD MANUAL

5-2-1

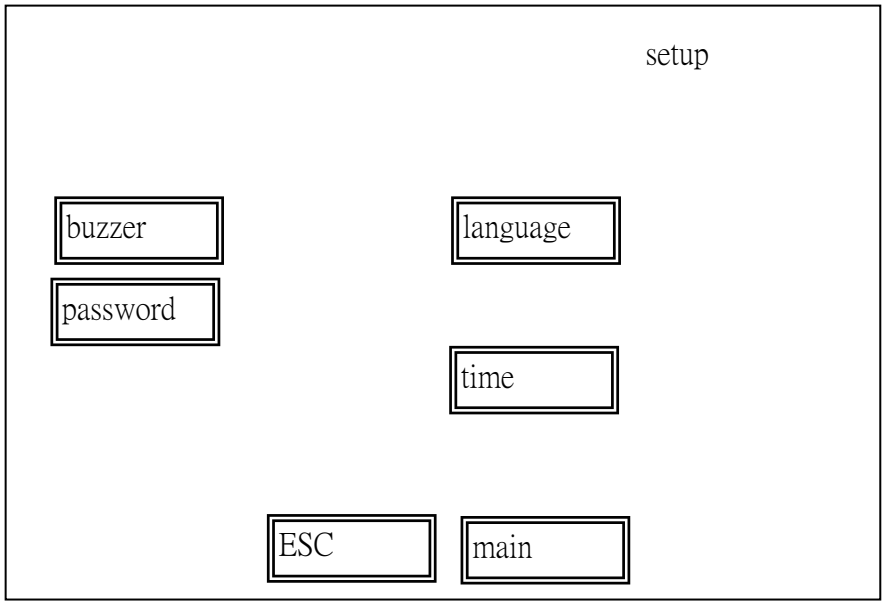


1.User：1234

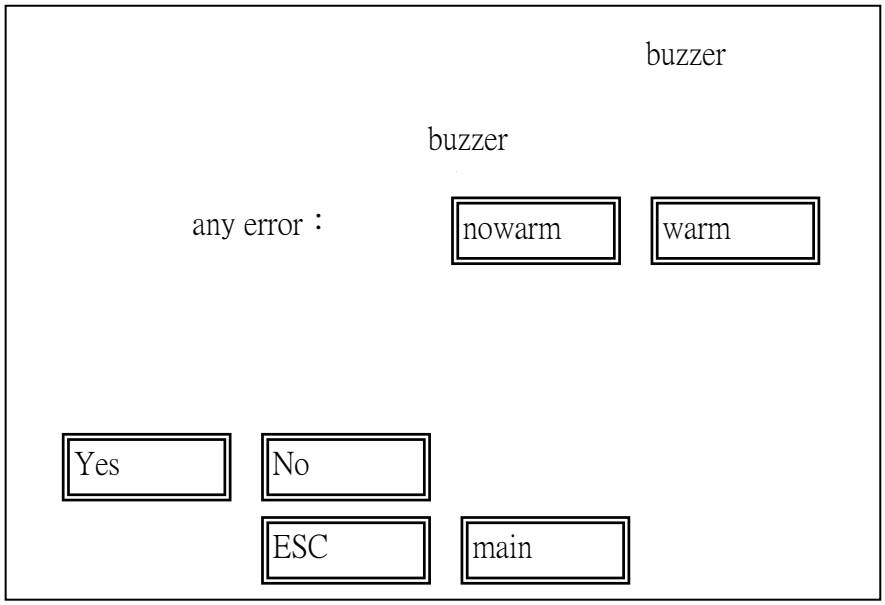
5-2-2 menu



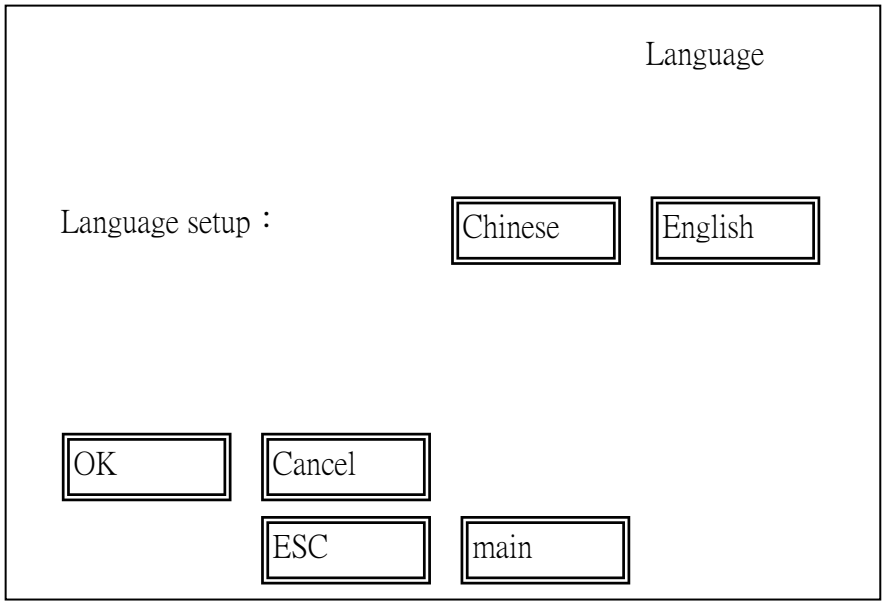
5-2-3 setup



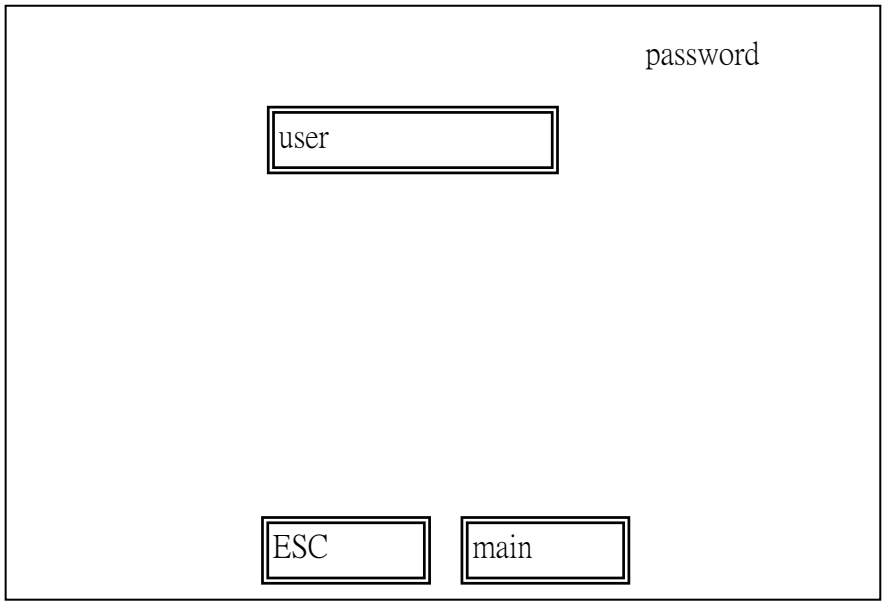
5-2-4 buzzer setup

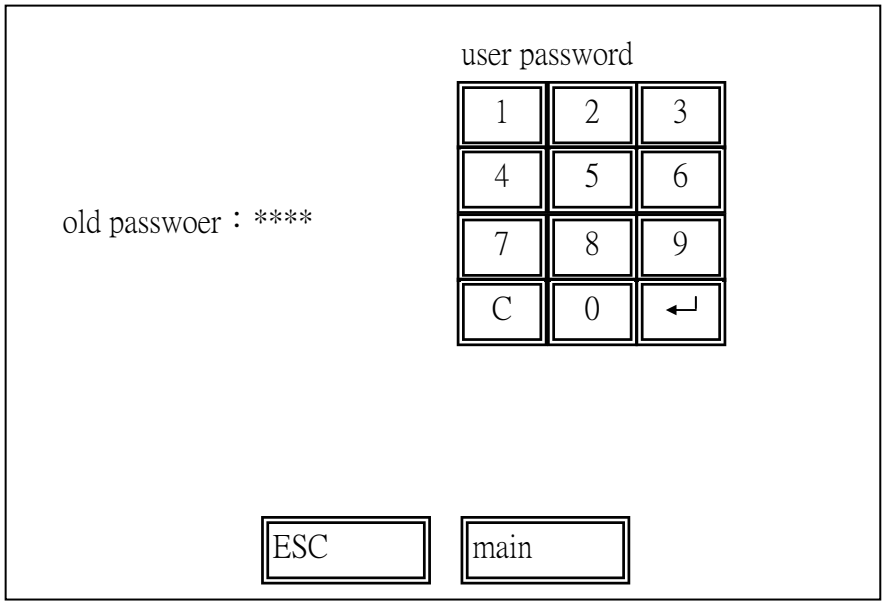


5-2-5 Language setup

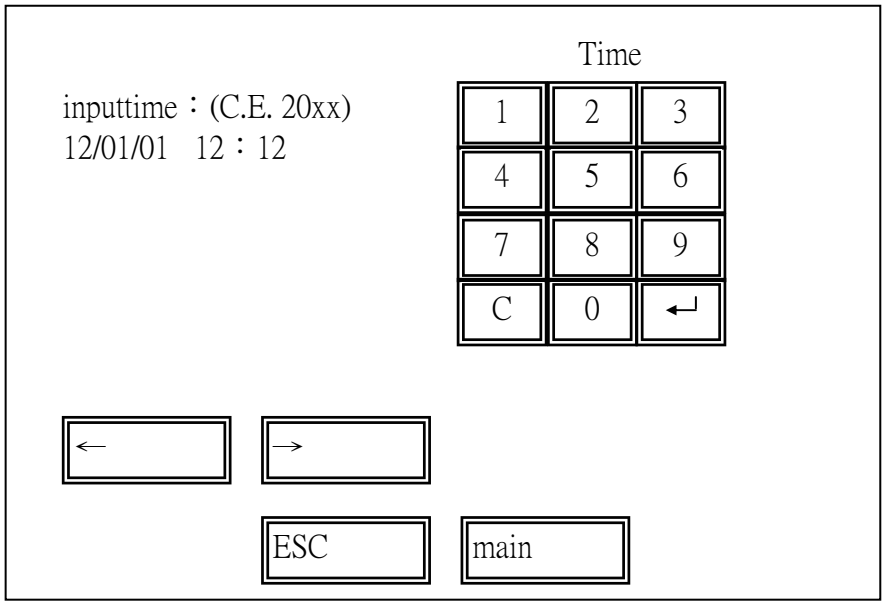


5-2-6 Password setup

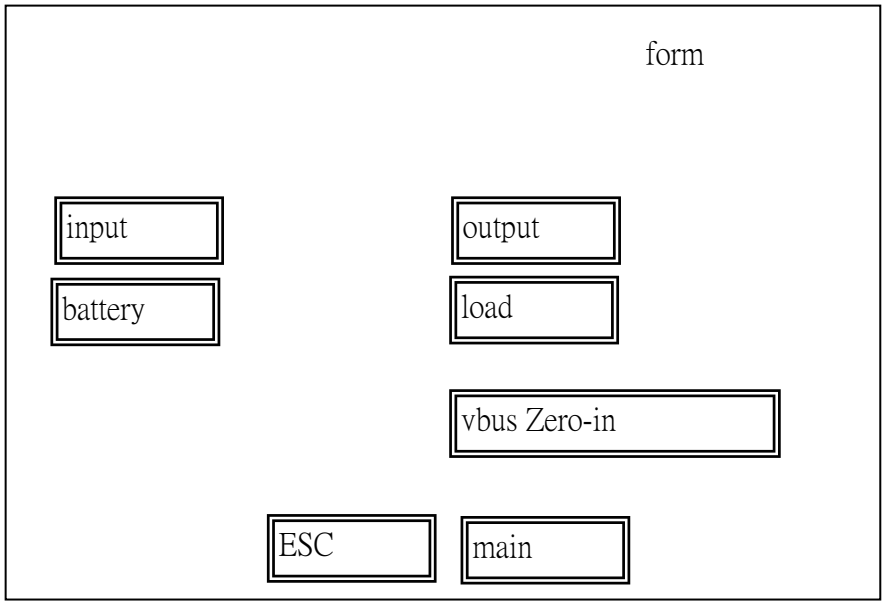




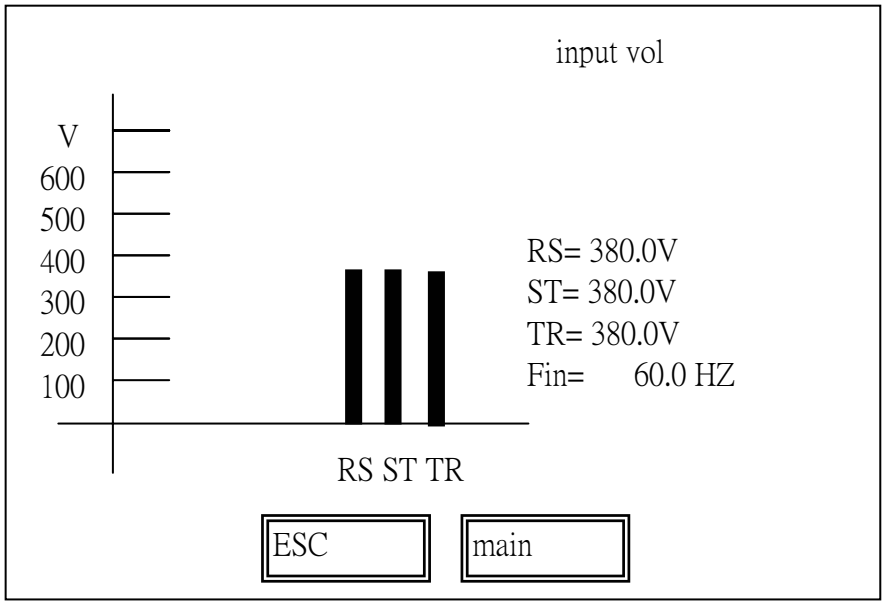
5-2-7 Time setup



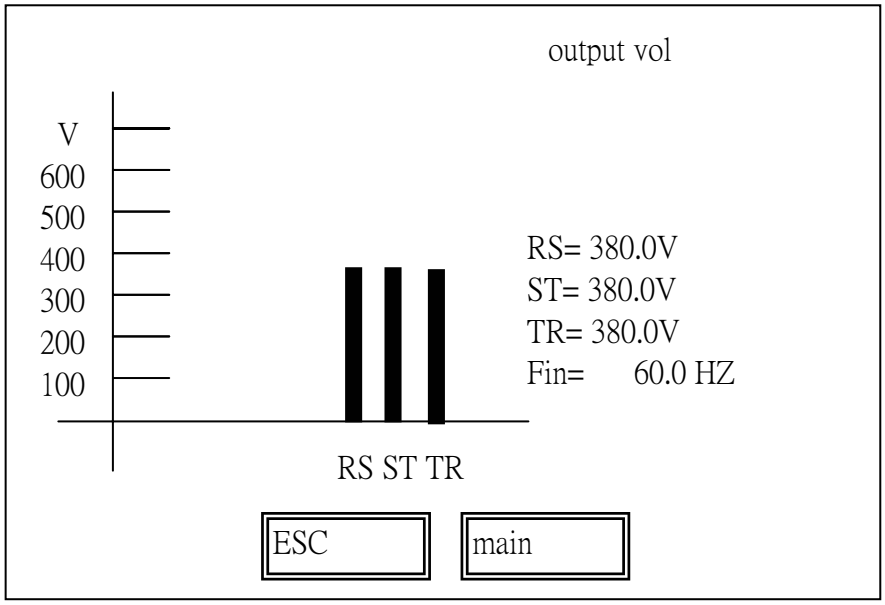
5-2-8 form



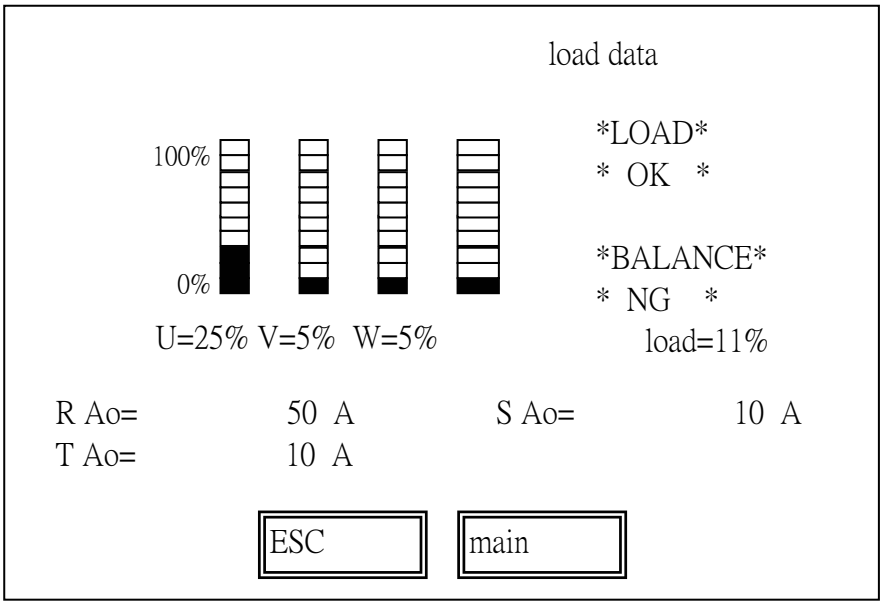
5-2-9 input vol



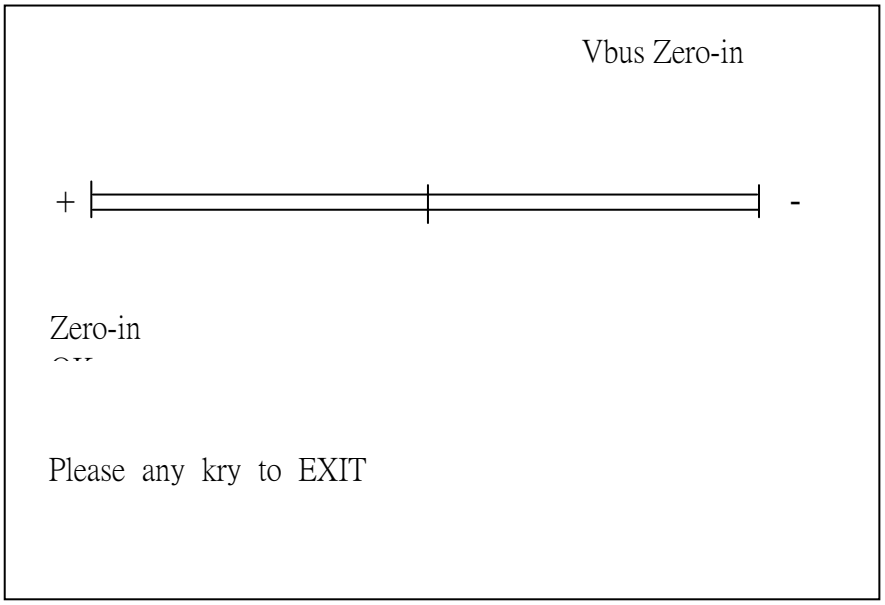
5-2-10 output vol



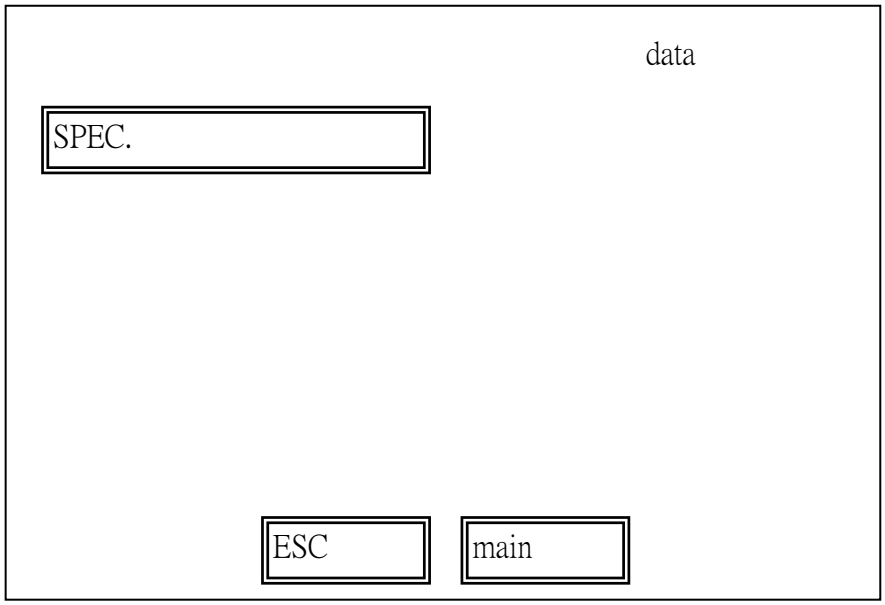
5-2-12 load



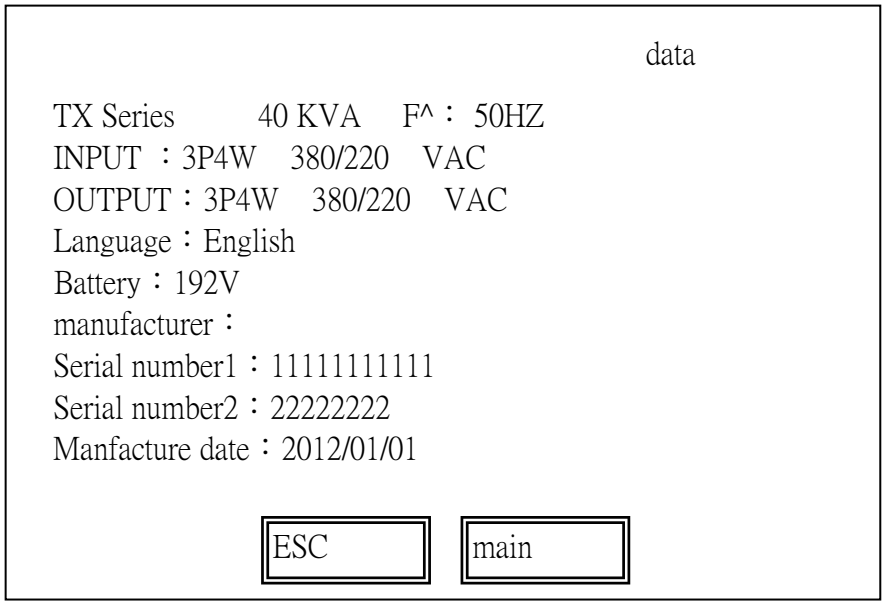
5-2-13 Vbus Zero-in



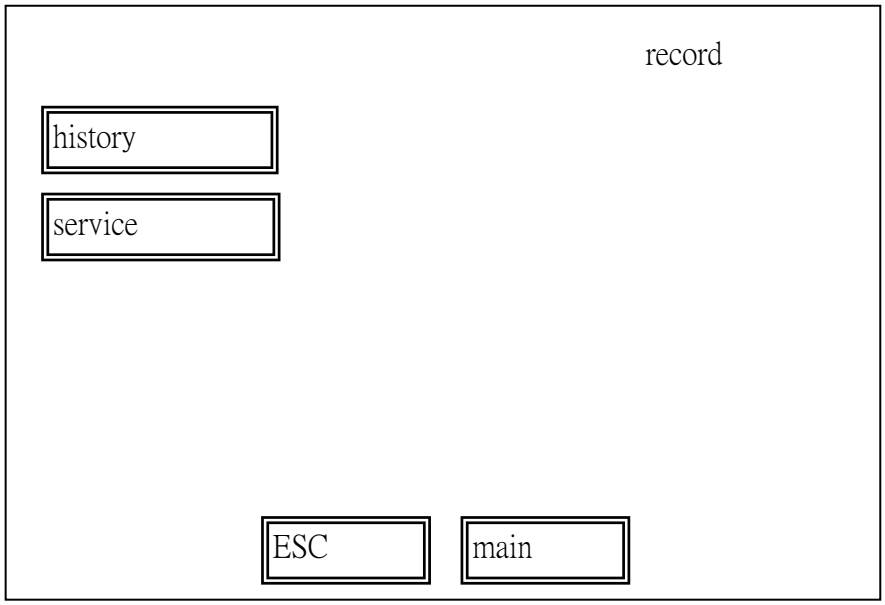
5-2-14 data



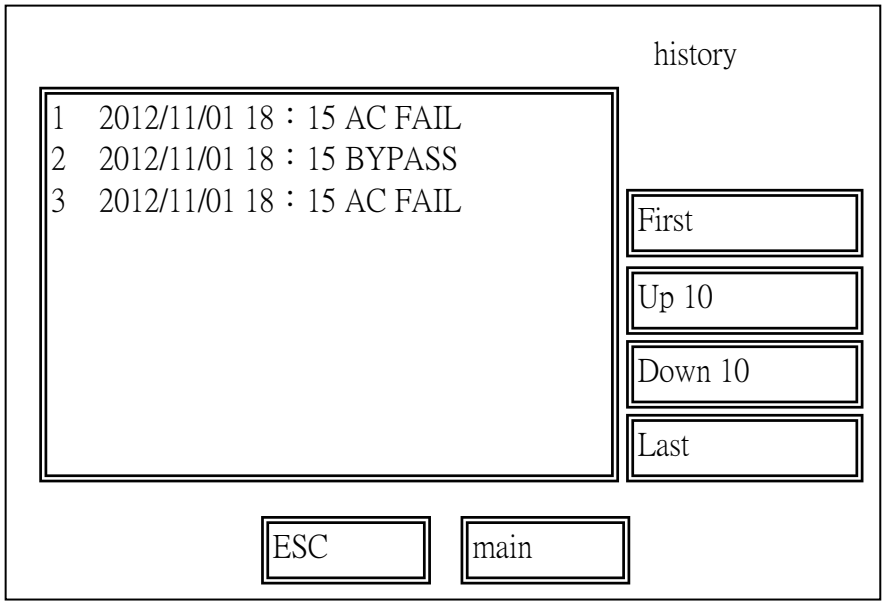
5-2-15 data



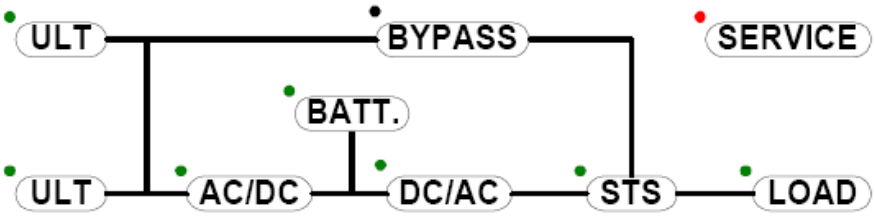
5-2-16 record



5-2-16 history



5-3 LED



◎ When it have the normal without being input the electricity city,two piece ULT and AC / DC LED light is on.

◎ At the time of UPS bypass state, BYPASS light is on, if there is no market electricity to input, then BYPASS glimmers only.

◎ Stop the market when the electricity is supplied power by the battery light is on.

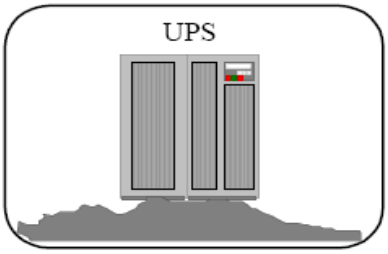
◎ UPS loses efficiency, at the time of the trouble, SERVICE light is on, and STS and LOAD light put out.

◎ UPS runs well or bypass hour, STS and LOAD light are on, LOAD light glimmers at the time of ultra load

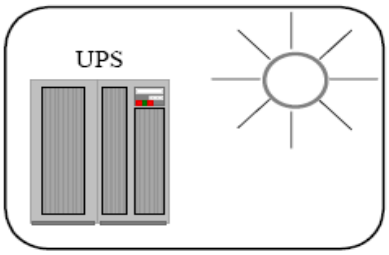
6. HANDLING

1. Unpack, and remove all connecting cords.
2. Do not place the UPS upside down.
3. Handle carefully to avoid any collision.

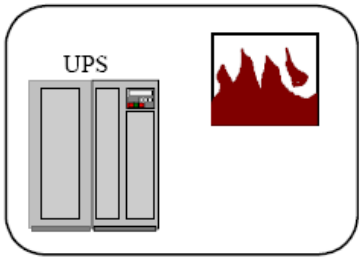
POSITION



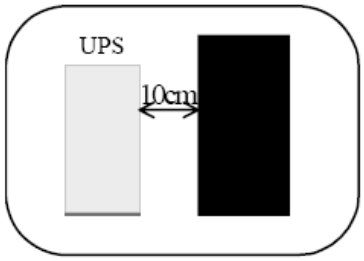
※ Do not position your UPS on uneven floor.



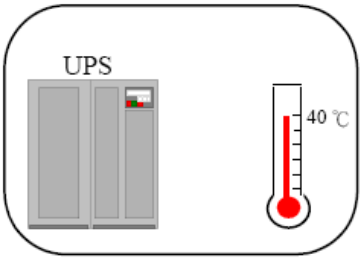
※ Avoid direct sunshine, raindrop and excessive humidity.



※ Do not place your UPS near fire or other heat radiating apparatus.

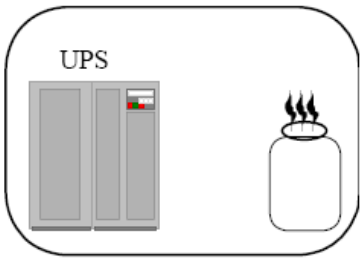


※Place your UPS in well ventilated environment , leave at least 50cm space between its back side and the wall for proper air circulation.



※Ambient temperature for operation:

-5℃ to +55℃ : humidity :10-90%.



※ Keep corrosive gas away from your UPS.