Trouble Shooting Chart 2.5/3.5/5KVA

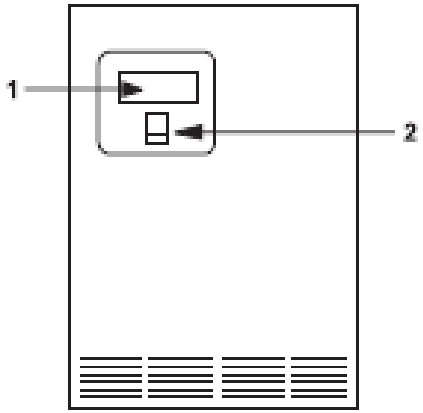
PROBLEM AND SYMPTONS	POSSIABLE CASE	SOLUTIONS
UPS DEAD	1.DC FUSE BLOWN 2.LOOSE BATTERY CONNECTION/DISCHARGE 3. CONNECTOR CN 7 LOOSE 4.MOTHER CARD FAULTY	1.DC FUSE 40 AMP CHANGE 2.DO TIGHT BATTERY CONNECTION 3. CHECK BATTERY VOLTAGE ON CONNECTOR CN7 IF OK THEN 4. REPLACE MOTHER CARD
WARNING OVER LOAD MASSAGE COMING ON LCD DISPLAY	1.OVER LOAD ON OUT PUT SIDE 2.CT BURDEN OPEN 3.CONNECTOR LOOSE 4. LOGIC CARD FAULTY	1.REMOVE SOME LOAD AND RE-START 2.CHECK CT AND BURNT PCB 3.CHECK CONNECTOR ON DSP BOARD 4.REPLACE THE LOGIC CARD
BATTERY MODE BUT NO OUT PUT DISPLAY SHOW PROTECTION BATTERY LOW	1.BATTERY IN LOW CONDITION 2.BATTERY CONNECTION LOOSE / RUSTY TERMINAL	1. CHECK DISPLAY IF BATTERY LOW COMING ON DISPLAY THEN CHARGE THE BATTERY WHEN MAINS RESUME. 2. CHECK LOOSE CONNECTION /RUSTY TERMINAL.
BATTERY MODE BUT NO OUT PUT DISPLAY SHOW SHORT CIRCUIT	1.SHORT CIRCUIT ON OUT PUT SIDE 2.TOO MUCH LOAD 3.MOTHER CARD FAULTY	1.CHECK SHORTING ON OUT PUT SIDE 2. REMOVE LOAD OF OUT PUT SIDE AND RE START 3.CHECK MOTHER CARD AND REPLACE
COMPUTERS RESTART WHEN MAINS FAIL	1.UPS RUNNING ON INVERTER MODE	1.SELECT SWITCH TO UPS MODE
DISPLAY SHOW MAINS MCB TRIP	1.CHECK MAINS MCB FOR TRIP 2. SCR/SCR DRIVER FAULTY 3.CONNECTOR CN5 ON MOTHER CARD	1. TURN ON THE MAINS MCB. 2.CHECK SCR/SCR DRIVER 3.CHECK CN5
DISPLAY SHOW SWICH OFF WHILE FRONT SWITCH ON	1.SWITCH PROBLEM,CONNECTOR /WIRE LOOSE	CHECK SWITCH,INTERNALWIRING OF SWITCH
UPS NOT RUNNING ON MAINS MODE WHILE MAINS PRESENT	1.MAINS OUT OF RANGE 2.LOOSE CONNECTION ON I/P TERMINAL BLOCK 3.LOGIC CARD FAULTY	1. CHECK MAINS FOR NORMAL. 2. CHECK LOOSE CONNECTION ON I/P TERMINAL BLOCK. 3. REPLACE THE LOGIC CARD.
UPS WORKING BUT JUNK DISPLAY	1.DISPLAY PROBLEM 2.CONNECTOR PROBLEM 3.MOTHER BOARD PROBLEM	1.CHANGE DISPLAY 2. CHECK CONNECTOR. 3. REPLACE FAULTY MOTHER BOARE
OUT PUT REVERSE COMING ON IN PUT SIDE	1.SCR LEAKEY 2.SCR DRIVER FAULTY 3.WIRING BETWEEN CN5AND SCR DRIVER PCB CN1 FAULTY	1. CHECK SCR IF FAULTHEN REPLACE BOARD 2. SCR SRIVER FAULTY. 3. CHECK CONNECTOR CN5(ON MOTHER BOARD) AND CN1(ON SCR DRIVER)

Trouble Shooting Chart 2.5/3.5/5KVA

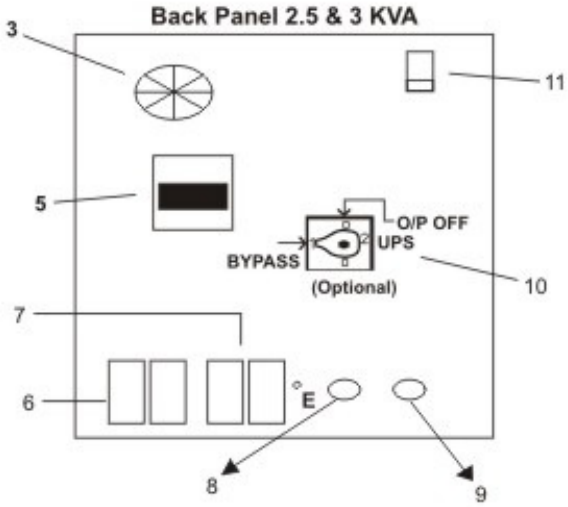
PROBLEM AND SYMPTONS	POSSIABLE CASE	SOLUTIONS
INVERTER DEAD	1.DC FUSE BLOW 2.LOOSE BATTERY CONNECTION/DISCHARGE 3. CONNECTOR CN 7 LOOSE 4.MOTHER CARD FAULTY	1.DC FUSE 40 AMP CHANGE 2.DO TIGHT BATTERY CONNECTION 3. CHECK BATTERY VOLTAGE ON CONNECTOR CN7 IF OK THEN 4. REPLACE MOTHER CARD
WARNING OVER LOAD MASSAGE COMING ON LCD DISPLAY	1.OVER LOAD ON OUT PUT SIDE 2.CT BURDEN OPEN 3.CONNECTOR LOOSE 4. LOGIC CARD FAULTY	1.REMOVE SOME LOAD AND RE-START 2.CHECK CT AND BURDEN PCB 3.CHECK CONNECTOR ON DSP BOARD 4.REPLACE THE LOGIC CARD
BATTERY MODE BUT NO OUT PUT DISPLAY SHOW PROTECTION BATTERY LOW	1.BATTERY IN LOW CONDITION 2.BATTERY CONNECTION LOOSE/RUSTY TERMINAL	1. CHECK DISPLAY IF BATTERY LOW COMING ON DISPLAY THEN CHARGE THE BATTERY WHEN MAINS RESUME. 2. CHACK LOOSE CONNECTION /RUSTY TERMINAL.
BATTERY MODE BUT NO OUT PUT DISPLAY SHOW SHORT CIRCUIT	1.SHORT CIRCUIT ON OUT PUT SIDE 2.TOO MUCH LOAD 3.MOTHER CARD FAULTY	1.CHECK SHORTING ON OUT PUT SIDE 2. REMOVE LOAD OF OUT PUT SIDE AND RE START 3.CHECK MOTHER CARD AND REPLACE
DISPLAY SHOW SWICH OFF WHILE FRONT SWITCH ON	1.SWITCH PROBLEM,CONNECTOR /WIRE LOOSE	CHECK SWITCH,INTERNALWIRING OF SWITCH
INVERTER NOT RUNNING ON MAINS MODE WHILE MAINS PRESENT	1.MAINS OUT OF RANGE 2.LOOSE CONNECTION ON I/P TERMINAL BLOCK 3.LOGIC CARD FAULTY	1. CHECK MAINS FOR NORMAL. 2. CHECK LOOSE CONNECTION ON I/P TERMINAL BLOCK. 3. REPLACE THE LOGIC CARD.
INVERTER WORKING BUT JUNK DISPLAY	1.DISPLAY PROBLEM 2.CONNECTOR PROBLEM 3.MOTHER BOARD PROBLEM	1.CHANGE DISPLAY 2. CHECK CONNECTOR. 3. MOTHER BOARD FAULTY
DISPLAY SHOW MAINS MCB TRIP	1.CHECK MAINS MCB FOR TRIP 2. SCR/SCR DRIVER FAULTY 3.CONNECTOR CN5 ON MOTHER CARD	1. TURN ON THE MAINS MCB. 2.CHECK SCR/SCR DRIVER 3.CHECK CN5
OUT PUT COMING ON IN PUT	RELAY PROBLEM	CHECK RELAY

Know your UPS

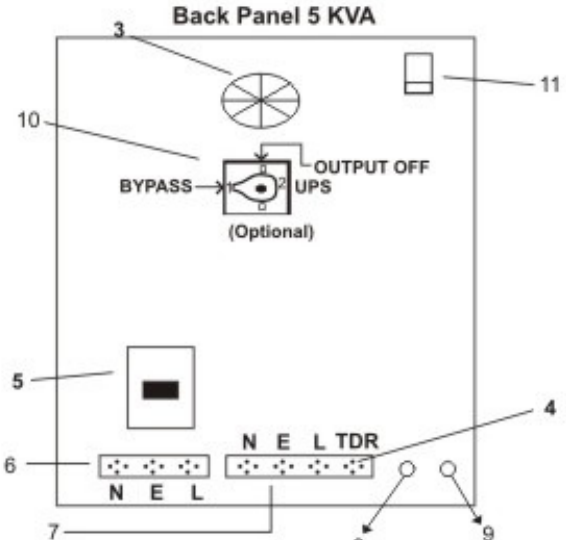
Front Panel Diagram



Back Panel 2.5 & 3 KVA



Back Panel 5 KVA



Position No.	Function	Remarks
1	LCD Display	Display all parameters
2	ON/OFF	ON/OFF Switch

Note:

1. For AC application, use TDR connection
2. The system would not get ON if battery is not connected

Back Panel

Position No.	Function	Remarks
3	Fan	
4	Inbuilt Time Delay	To run compressor load like A.C. Time delay relay (TDR) has been provided.
5	AC Mains MCB	To switch on the AC main (Utility Power)
6	AC Mains	For AC mains connection
7	Output	For output load connection
8	Battery Terminal Negative (Black)	
9	Battery Terminal Positive (Red)	
10	BYPASS switch	In case of system failure to BYPASS the system
11	Inverter/UPS	To toggle the system in Inverter or UPS mode

Installation diagram