

## WIRING DIAGRAM FOR MICROCONTROLLER BASED INVERTER/ HOME UPS KIT 650VA, 800VA (Model - PTH Version)

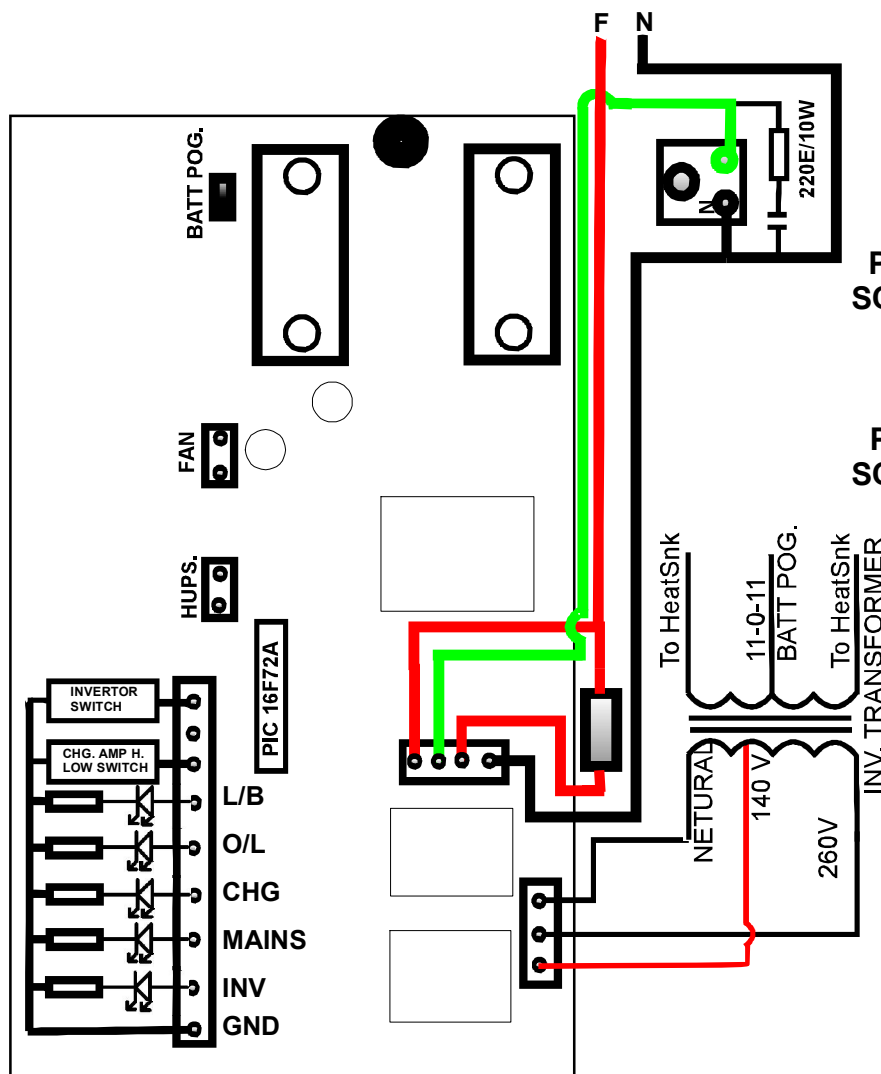
### SP. FEATURES:-

1. Microcontroller based design using (PIC16F72A Micro Chip USA)
2. No need of Extra Relay, Wiring and CT.
3. All Regular Feature and Protection with Indicator.
4. Modified Square Wave Output with PWM.

**HOME UPS MODE:** 1. MAINS MODE INPUT 110V AC TO 310V AC.  
H UPS MODE INPUT 180V AC TO 260V .

2. Change over mode with delay time & soft start technique CHANGEOVER TIME.
3. Soft start charging with ATM technique (AUTOMATIC BATTERY MANAGEMENT) with MULTI STEP CHARGING.

**HOME UPS MODE:** 1. Output short circuit trip with in 2ms with short circuit indicator.  
2. 5 time self auto reset over load and next reset is done manually after shut down.  
3. Low Battery with beep alarm before shutdown.



### TRANSFORMER DATA:-

**FOR 650VA**  
Core- 4No. 2.75 Inch  
PR- 19 - 0 - 19 Turns of 12 SWG  
SC- 0 - 248 - 400 Turns of 21 SWG

**FOR 800VA**  
Core- 4No. 3 Inch  
PR- 17 - 0 - 17 Turns of 11 SWG  
SC- 0 - 222 - 365 Turns of 21 SWG