

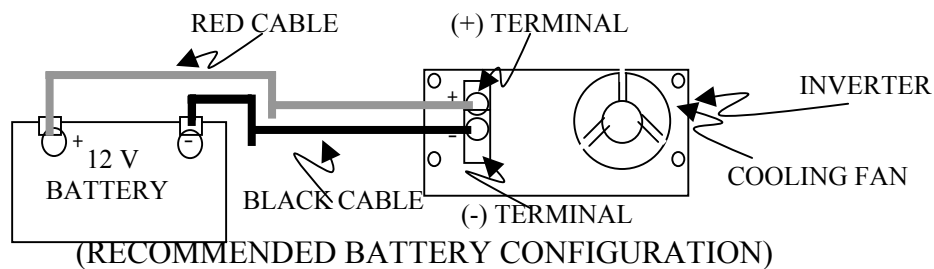
DC TO AC POWER INVERTER (HW-300)

SPECIFICATION:

- INPUT VOLTAGE: **12V DC**.
- INPUT FULL LOAD CURRENT: **30A**.
- OUTPUT VOLTAGE (AC): **220V**.
- OUTPUT WAVEFORM: **MODIFIED SINE WAVE**.
- OUTPUT FREQUENCY: **50Hz**.
- CONTINUE OUTPUT POWER: **300W**.
- PEAK OUTPUT POWER: **400W**.
- EFFICIENCY: **MORE THAN 95%**.
- BATTERY LOW SHUTDOWN: **10V DC**.
- BATTERY HIGH SHUTDOWN: **14V DC**.
- THERMAL PROTECTION: **65°C**.
- OVERLOAD PROTECTION: **YES**.

CAUTION:

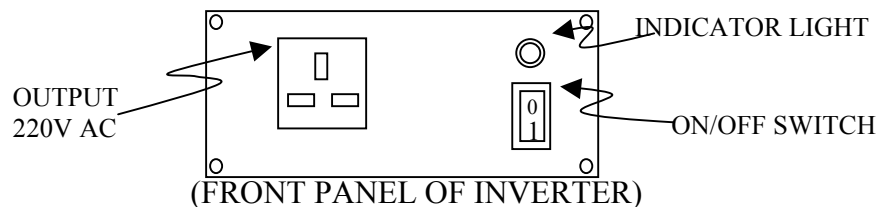
- CONNECT THE INVERTER WITH **12V DC BATTERY ONLY**. DO NOT CONNECT IT WITH OTHER TYPES.
- DO NOT **REVERSE THE INPUT**. USE RED CABLE TO CONNECT (+) OF A 12V DC BATTERY TO (+) TERMINAL OF INVERTER. AND THEN, USE BLACK CABLE TO CONNECT (-) BATTERY TO (-) TERMINAL OF THE INVERTER AS SHOWN BELOW.



- DO NOT TURN ON THE INVERTER WHILE THE **CHARGER OPERATES**.
- DO NOT CONNECT THE INVERTER TO THE **MAIN ELECTRICAL SOURCE** TO SUPPLY LOADS, BUT BY USING EXTERNAL WIRES.
- DO NOT USE THE INVERTER BEYOND ITS **MAXIMUM OUTPUT POWER (300 W)**.
- PLACE THE INVERTER IN A ENVIRONMENT WHICH IS WELL **VENTILATED & NOT EXPOSED TO DIRECT SUN LIGHT OR HEAT SOURCE**.

INSTALLATION:

- ENSURE THAT THE **ON/OFF SWITCH** OF THE INVERTER IS IN **OFF** POSITION
- CONNECT THE DC CABLES TO THE POWER INPUT TERMINAL ON THE REAR PANEL OF THE INVERTER, **RED CABLE TO (+) TERMINAL**, **BLACK CABLE TO (-) TERMINAL**. TIGHTEN THE CABLE CONNECTION SECURELY.
- CONNECT THE **RED CABLE** TO THE **(+) TERMINAL** OF BATTERY, **BLACK CABLE** TO THE **(-) TERMINAL** OF BATTERY.
- SET THE INVERTER ON/OFF SWITCH TO THE **ON** POSITION, THE **INDICATOR LIGHT** WILL BE **GREEN**. THE INVERTER SHOULD SUPPLY THE POWER TO THE LOAD.



TROUBLESHOOTING:

IF THE INVERTER DOES NOT APPEAR TO BE FUNCTIONING PROPERLY (**INDICATOR LIGHT WILL BE SUPPORTED RED, ALARM SOUND**), THERE ARE SEVERAL REASONS FOR THAT:

- **LOAD:** OVERLOAD CAUSED THE INVERTER SHUTDOWN, THE LOAD MUST BE REDUCED.
- **POOR CONTACT:** THE CONTACT PARTS MUST BE CLEANED THOROUGHLY.
- **THERMAL:** OVERHEAT CAUSE THE INVERTER SHUTDOWN, THE LOAD MUST BE REDUCED.
- **BATTERY VOLTAGE:** LOW BATTERY VOLTAGE SHUTDOWN THE INVERTER.

NOTES:

- IF YOU ARE OPERATING **SEVERAL LOADS** FROM INVERTER, TURN THEM ON **SEPARATELY** STARTING FROM THE HIGHER LOAD DOWN TO THE LOWER ONE.
- YOU CAN USE ANY **BATTERY CAPACITY** OF TYPE **12V DC**. FROM 60 A.H. RATING AND ABOVE. THE INCREASE IN BATTERY CAPACITY WILL INCREASE THE **OPERATING TIMES** ONLY.