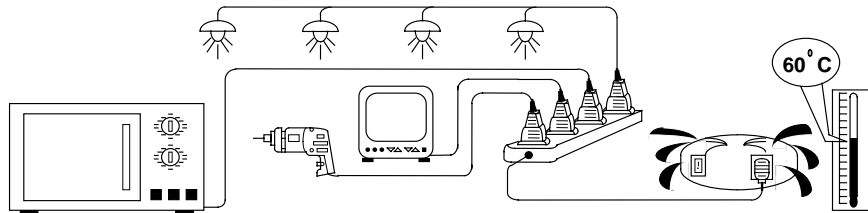


IF THE TOTAL WATTS OF ELECTRICAL APPLIANCES EXCEEDS THE OUTPUT CAPACITY OF INVERTER. OR AFTER OPERATING FOR A PERIOD OF TIME. IF THE TEMPERATURE OF THE INVERTER REACHES 60 °C , THE INVERTER SHALL BE REDUCED AC OUTPUT BY THE PROTECTION CIRCUIT.



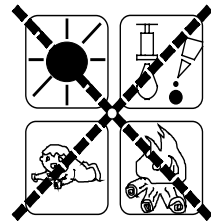
## FULL AUTOMATIC DC-AC 1200W INVERTER & BATTERY CHARGER

DC12V or 24V to AC230V Instruction Manual

Please read user manual before use.

### CAUTION

- \* ALWAYS PLACE THE INVERTER IN AN ENVIRONMENT WHICH IS :
- ( A ) WELL VENTILATED
- ( B ) NOT EXPOSED TO DIRECT SUNLIGHT OR HEAT SOURCE
- ( C ) OUT OF REACH FROM CHILDREN
- ( D ) AWAY FROM WATER/MOISTURE, OIL OR GREASE
- ( E ) AWAY FROM ANY FLAMMABLE SUBSTANCE



## USEFUL APPLICATIONS

RUN NOTEBOOK COMPUTERS, RADIOS, TVS, VCERS,  
LAMPS, FANS, FAX, DRILL, . . . . . ETC.

## SPECIFICATION

INPUT VOLTAGE RANGE : DC 10~15V (12V) // DC 20~30V (24V)

INPUT FULL LOAD CURRENT : 120A (12V) // 60A (24V)

STANDBY INPUT CURRENT : <0.4A (12V) // <0.3A (24V)

OUTPUT VOLTAGE (AC) : 230V  $\pm$  5%

OUTPUT WAVEFORM : MODIFY SINEWAVE

OUTPUT FREQUENCY : 50Hz

CONTINUE OUTPUT POWER : 1200W

PEAK OUTPUT POWER : 2800W

EFFICIENCY : 85~90%

BATTERY LOW PRE-ALARM : 10.5  $\pm$  0.5V (12V) // 21  $\pm$  0.5V (24V)

BATTERY LOW SHUTDOWN : 10  $\pm$  0.5V (12V) // 20  $\pm$  0.5V (24V)

THERMAL PROTECT : 60  $\pm$  5 (MICROCONTROLLER )

AUTO-OPERATION FAN (TEMPERATURE OR LOAD)

OVERLOAD PROTECT : YES (MICROCONTROLLER )

OUTPUT SHORT PROTECT : YES ( MICROCONTROLLER )

BATTERY EX. 12V / 24V PROTECT : YES ( MICROCONTROLLER )

BATTERY POLARITY PROTECT : YES (BY FUSE )

FUSE : 20A\*9PCS (12V) // 10A\*9PCS (24V)

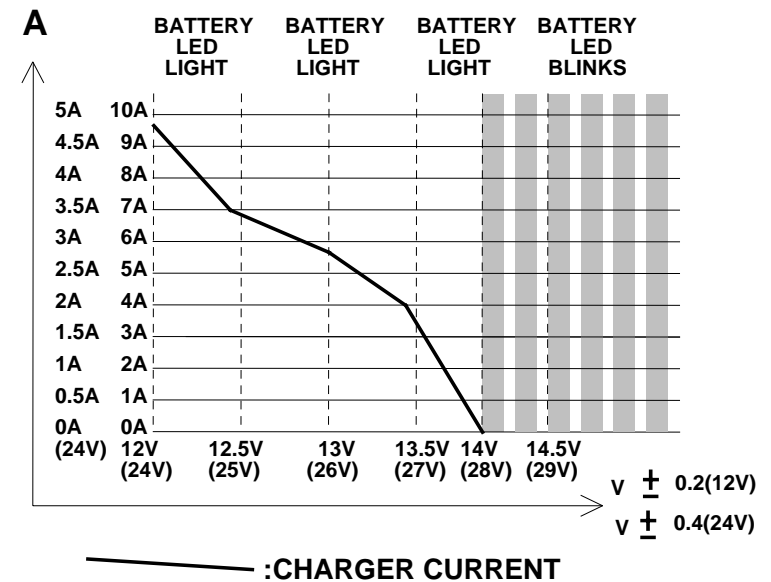
TRANSFER TIME : 10m SEC

CHARGER CURRENT : 10A (24V) // 5A (24V)

DIMENTION ( L\*W\*H) mm : 360\*198\*80

WEIGHT : 3.8Kg

BATTERY LED DARK/LIGHT INDICATIVE CHART.



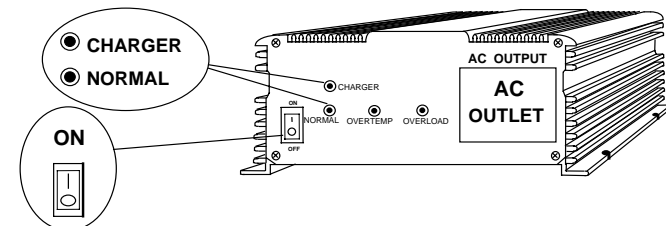
## INDICATING SIGN

NORMAL LIGHTED LED : POWER SWITCH " ON " , INVERTER STANDBY

NORMAL UNLIGHTED LED : POWER SWITCH " OFF "

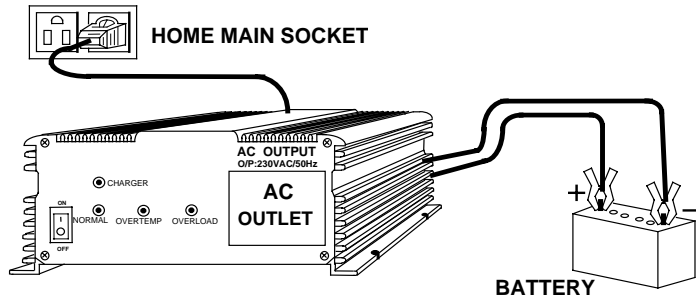
CHARGER LIGHTED LED : BATTERY CHARGING

CHARGER LED BLINKS : FULL BATTERY



## CHARGER

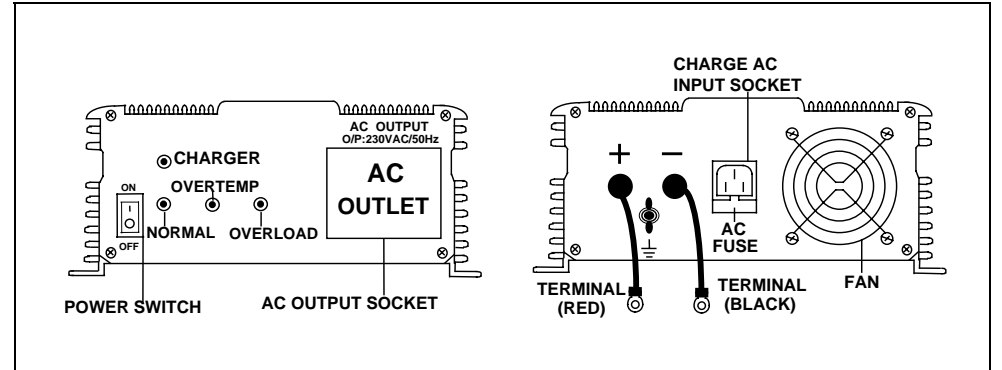
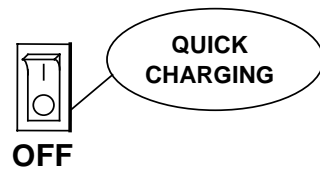
CONNECT AC INPUT POWER CORD TO HOME MAIN SOCKET THEN USE RED BATTERY CORD TO CONNECT (+) OF DC BATTERY TO (+) SINDING POST.AND USE BLACK BATTERY CORD TO CONNECT (-) BATTERY TO (-) SINDING POST.



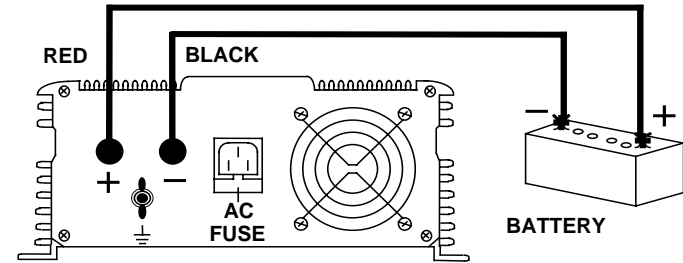
POWER SWITCH ON



POWER SWITCH OFF



CAUTION : DO NOT REVERSE INPUT. USE RED BATTERY CORD TO CONNECT (+) OF A DC BATTERY TO (+) TERMINAL. AND THEN, USE BLACK BATTERY CORD TO CONNECT (-) BATTERY TO (-) TERMINAL.

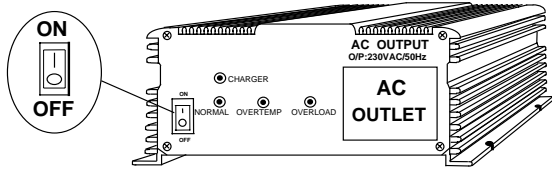


## WARNING SIGNAL

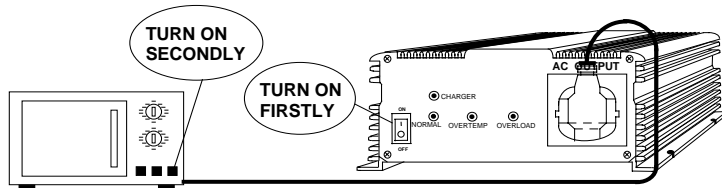
LOW BATTERY PRE-ALARM BI-----BI-----BI  
 OVER HEATING PRE-ALARM BI--BI--BI--BI--BI  
 OVER LOAD PRE-ALARM BI-BI-BI-BI-BI-BI

## USE INVERTER

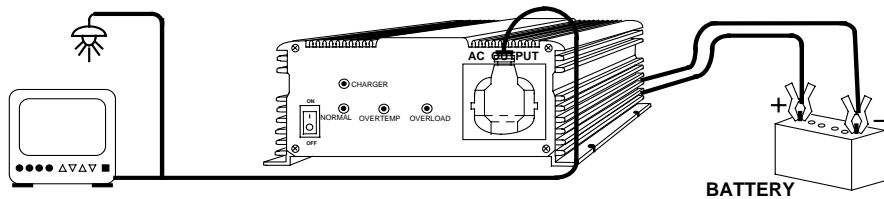
**STEP1:**  
SET THE POWER SWITCH AT THE OFF



**STEP2:**  
WHEN CONNECTED TO ANY APPLIANCE, BE SURE TO TURN ON INVERTER FIRST. AND THEN, TURN ON THE POWER SWITCH OF THE APPLIANCE.



**DO NOT USE THE INVERTER EXCEED ITS MAXIMUM OUTPUT POWER, WHEN CONNECTED TO ANY APPLIANCE. MAKE SURE THE TOTAL STARTING POWER CAPACITY DOES NOT EXCEED THE MAXIMUM OUTPUT POWER OF THE INVERTER.**



## AS UPS

IF YOU WANT TO USE THIS UNIT AS U.P.S. FUNCTION , TURN ON THE SWITCH OF THE INVERTER AT FIXED POSITON FIRSTLY. WHEN THE BLACK OUT OCCURS IN THE MEANTIME, THE INVERTER WILL DIVERT AUTOMATICALLY FROM HOME ELECTRICITY INTO THE BATTERY TO SUPPLY THE POWER FOR APPARATUS USE CONTINUALLY.

