



# HGS (INDIA) LIMITED



## Automatic Battery Charger (HGS-BC-230-10)



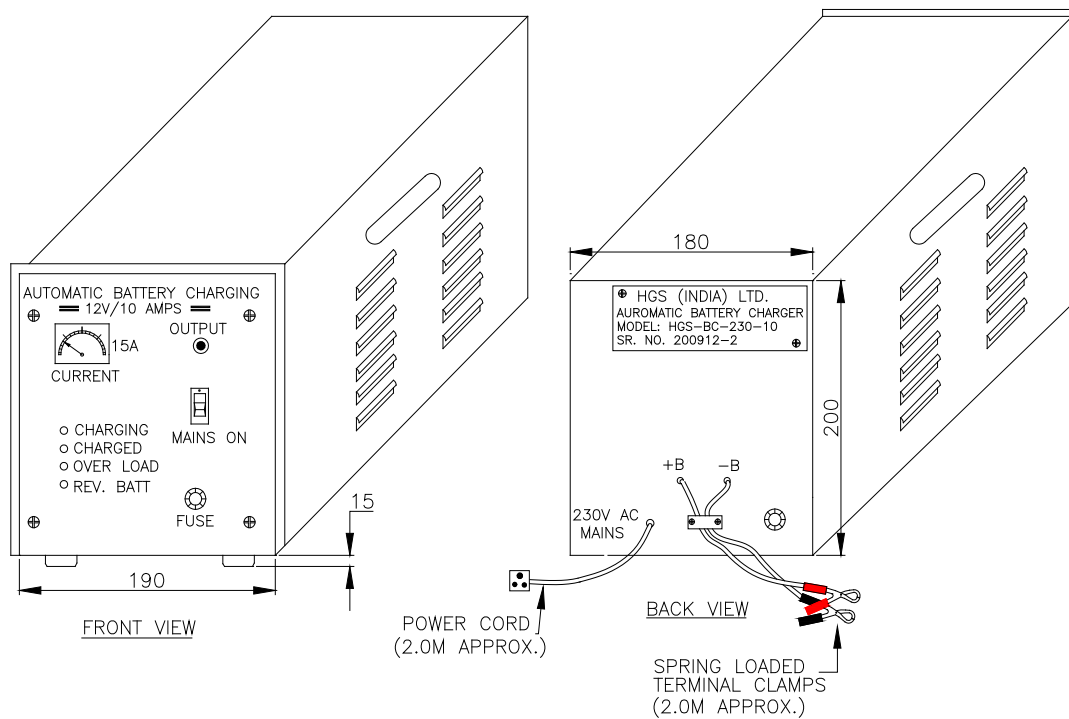
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## SCHEMATIC



AUTOMATIC BATTERY CHARGER 12V TO 10AMPS

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## SPECIFICATIONS

### Automatic Battery Charger (HGS-BC-230-10)

**DESCRIPTION: HGS-BC-230-10 IS A FULLY AUTOMATIC AND AUTO CUT BATTERY CHARGER FOR CHARGING 12 V/75 AH (MIN.), SMF BATTERY. IT HAS A COPPER DOUBLE WOUND (HEAVY DUTY) STEP DOWN TRANSFORMER AND USES SCR/THYRISTOR CONTROLLED TECHNOLOGY FOR CHARGING THE BATTERY**

- |                           |   |   |
|---------------------------|---|---|
| 1. INPUT VOLTAGE          | : | 230 V/50 Hz (+/- 5 %) SINGLE PHASE  |
| 2. INPUT VOLTAGE RANGE    | : | 230 V +/- 10 %  |
| 3. OUTPUT VOLTAGE         | : | 13.8 V (APPROX)   |
| 4. OUTPUT CURRENT         | : | 10 A (APPROX)   |
| 5. PROTECTIONS            | : | A) REVERSE POLARITY<br>B) OVER LOAD<br>C) SHORT CIRCUIT<br>D) INPUT FUSE (3 A)<br>E) OUTPUT FUSE (15 A)   |
| 6. LED INDICATIONS        | : | A) CHARGING<br>B) CHARGED<br>C) OVER LOAD<br>D) REVERSE BATTERY<br>E) OUTPUT  |
| 7. METERING               | : | ANALOG (0-15 A) MOVING COIL AMMETER   |
| 8. COOLING                | : | NATURAL AIR COOLED THROUGH VENTILATION ON BOTH SIDES OF ENCLOSURE   |
| 9. DIMENSIONS/ WEIGHT     | : | 190 MM X 205 MM X 265 MM APPROX/10.6 KG APPROX  |
| 10. OPERATING TEMPERATURE | : | 0-55 DEG. C   |
| 11. FRONT PANEL CONTROLS  | : | A) INPUT ON/OFF SWITCH<br>B) CURRENT METER<br>C) INPUT FUSE<br>D) LED INDICATIONS   |
| 12. BACK PANEL            | : | A) TYPE PLATE (WITH MAKE, MODEL & SR. NO.)<br>B) OUTPUT FUSE<br>C) INPUT CABLE (2 M, 3 CORE WITH 3 PIN PLUG)<br>D) OUT PUT SUPPLY CABLE ( 2 M, COLOUR CODED, WITH HEAVY DUTY SPRING LOADED TERMINAL CLAMPS) |
| 13. ENCLOSURE             | : | HEAVY DUTY STEEL SHEET, POWDER COATED (SLOT CUTOUTS PROVIDED ON BOTH SIDES OF ENCLOSURE FOR LIFTING CHARGER)  |