

# Product SPECIFICATION SHEET



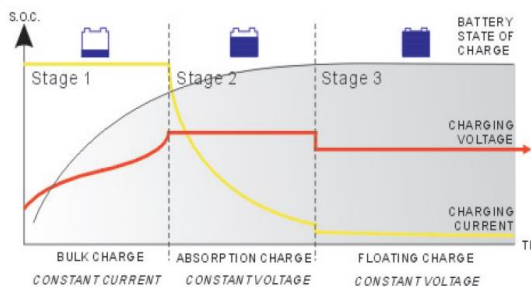
## ENC1210 Automatic 3 Stage Battery Charger



### Features

- Three stage switchmode model lead acid battery charger
- Battery can be connected indefinitely
- Power On /Off switch
- AC supply selectable 90 VAC - 165VAC, 190VAC / 265VAC
- Protected against Short circuit and overload
- Protected against Reverse polarity and over temperature
- Simple to operate and maintain
- Silent cooling fan
- LED indications for Bulk, Absorption, Float, Charge status
- Fault and Power On/Off
- Reverse polarity output cut-off with auto reset
- Short circuit output cut-off with auto reset
- Output current limited on overload
- Internal temp auto cut-off at 80°C
- Output has over voltage protection
- 1.5mtr cable lengths
- Size 195 x 102.5 x 55.5mm

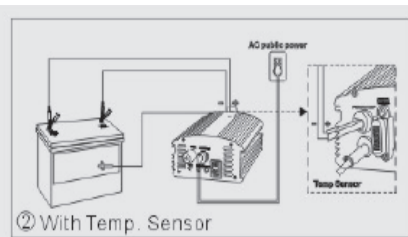
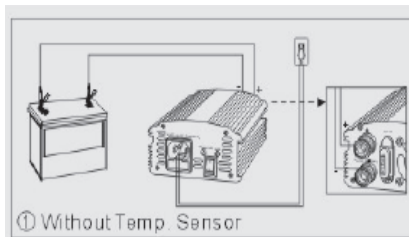
3-STAGE CHARGING DIAGRAM



| State   | Name                          | Explanation                                                                                                                                                                                                                                                                                            | Specification    |
|---------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Stage 1 | The Constant Current Charging | Normally the battery is charged at constant maximum current until it rises to absorption voltage level. The charging voltage changes with the battery voltage.                                                                                                                                         | Full Load Charge |
| Stage 2 | The Constant Voltage Charging | When the battery voltage rises to the absorption voltage level, the charging switches to constant voltage charging and battery is over 85% full. The battery is kept at this high voltage while the current reduces gradually to set value at which the charger automatically switches to float stage. | 14.5V ± 0.2V     |
| Stage 3 | The Floating Voltage Charging | In this stage, the battery is full and only takes in the amount of current necessary for maintaining the capacity.                                                                                                                                                                                     | ≤ 2A             |

### Specifications

| Model  | ENC1210         |                       |
|--------|-----------------|-----------------------|
| Output | DC Voltage      | 12                    |
|        | Cut-off voltage | 14.5V ± 0.2%          |
|        | Float voltage   | 13.8V ± 0.2%          |
|        | Max power       | 130W                  |
|        | Max charge Amps | 10A                   |
| Input  | AC voltage      | 90 - 165v, 190 - 265V |
| Fuses  | AC              | 3A                    |
|        | DC              | 15A                   |



### BRANCH CONTACT DETAILS

|              |              |
|--------------|--------------|
| Johannesburg | 010 202 3300 |
| Germiston    | 011 418 9600 |
| Cape Town    | 021 510 0710 |
| Pinetown     | 031 700 4215 |
| Riverhorse   | 031 492 4800 |

### NATIONAL CALL CENTRE

|           |              |
|-----------|--------------|
| Sales     | 010 202 3400 |
| Technical | 010 202 3500 |

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