



Product designation

Product type designation

Type

Automatic battery  
chargers  
BCE  
Single phase  
automatic battery  
charger 1  
charging level for  
lead-acid  
batteries

### Power supply

Rated voltage  $U_s$

|     |     |                |
|-----|-----|----------------|
| min | VAC | 220            |
| Max | VAC | 240 $\pm 10\%$ |

Operational frequency

|     |    |              |
|-----|----|--------------|
| min | Hz | 50 $\pm 5\%$ |
| max | Hz | 60 $\pm 5\%$ |

Power consumption

|     |    |     |
|-----|----|-----|
| Max | VA | 117 |
| Max | W  | 24  |

### Charging cycle

Reference standards IEC60335-2-29

Battery type lead-acid

Battery voltage VDC 12

Charging voltage ( $U_c$ ) 13.8

Charging current ( $I_c$ ) A 3

Charging current adjustment %  $I_c$  30 to 100

Protections

Battery output  
fuse; charging  
inhibition due to:  
1. Short circuit at  
battery terminals;  
2. Reverse  
battery polarity; 3.  
Low voltage at  
battery poles; 4.  
Output overload.

External fuse 1

### Indications

LED indicator for operating status Yes

LED reverse battery polarity Yes

### Alarm output circuit

Output type NPN transistor

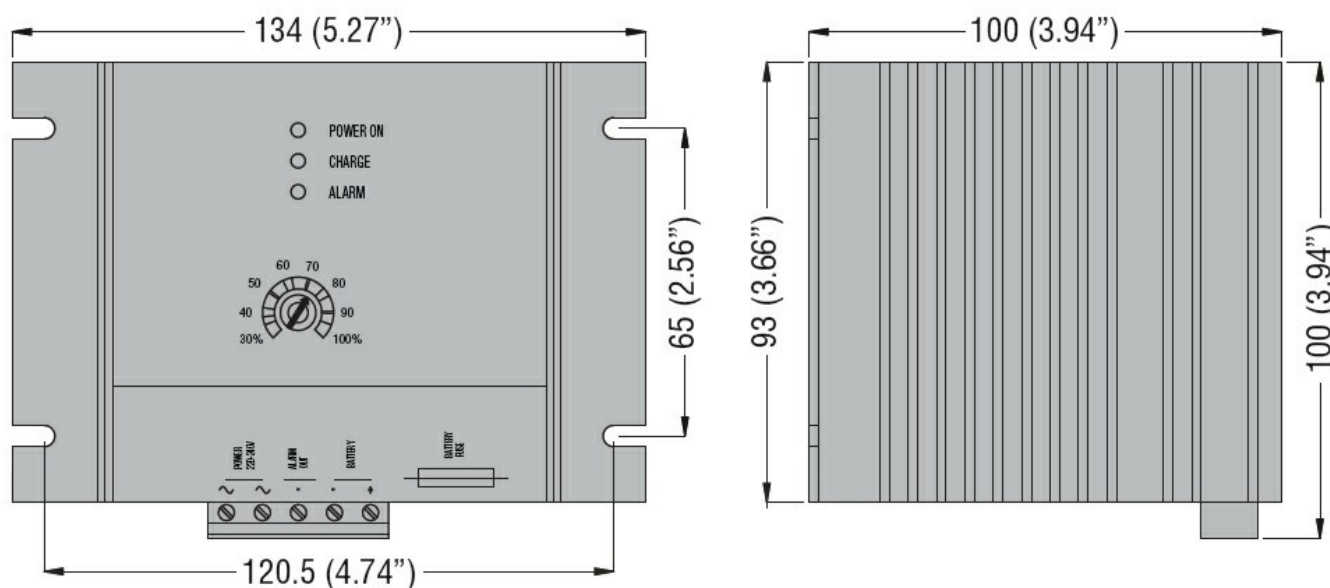
### Mechanical features

Housing type Internal panel  
mounting

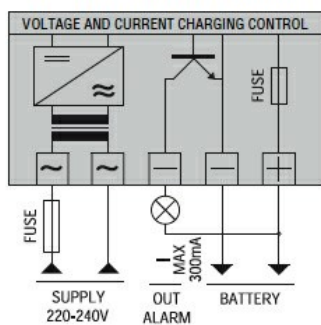
Terminals type Removable/plug-  
in

|                    |                       |    |     |              |
|--------------------|-----------------------|----|-----|--------------|
| Fixing             |                       |    |     | Screw fixing |
| Weight             | g                     |    |     | 1984         |
| Ambient conditions |                       |    |     |              |
| Temperature        | Operating temperature |    |     |              |
|                    | min                   | °C | -10 |              |
|                    | max                   | °C | +50 |              |
|                    | Storage temperature   |    |     |              |
|                    | min                   | °C | -30 |              |
|                    | max                   | °C | +80 |              |
| Protection degree  |                       |    |     | IP00         |

## Dimensions



## Wiring diagrams



## Certifications and compliance

### Compliance

IEC/EN 60335-2-29

### Certificates

EAC

## ETIM classification

ETIM 8.0

EC000359 -  
Universal charger