



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

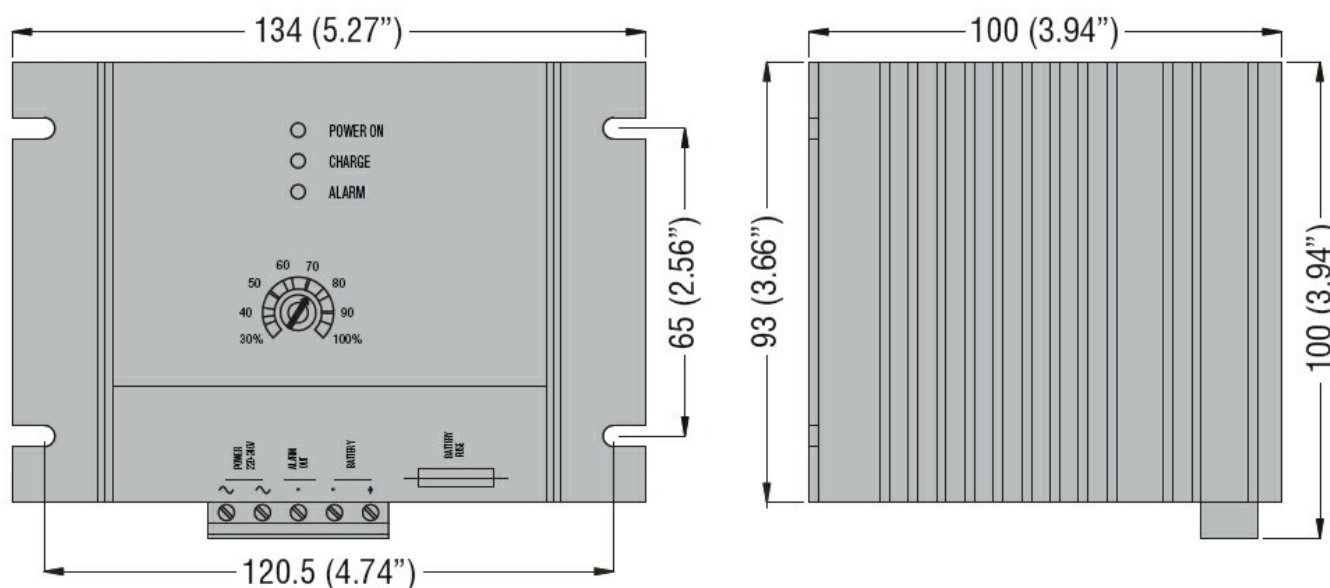
### Mechanical features

Housing type Internal panel  
mounting

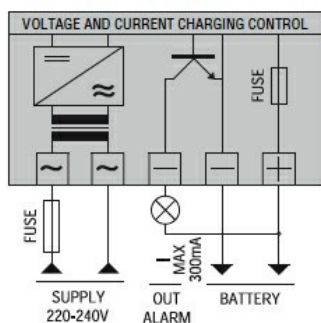
Terminals type Removable/plug-  
in

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