

# C-CHARGER®

## Auto Equalize Battery Chargers

**Utilizing high-quality components and corrosion-resistant stainless steel housings, C-CHARGERS® are built to perform even in the toughest industrial environments.**

The Auto Equalizer Battery Charger is the first C-Charger to offer fully automatic equalizing. The advantages of automatic equalizing are clear: no manual switching or settings, no waiting for power failure, no 9 to 24 hour overcharges, and no failure to return to float due to high load currents. The addition of an Auto Equalizer Charger expands the equalizing options of the C-Charger line, which also includes Float/ Equalize Switch, 0-24 Hour Timer, and 0-24 Hour Automatic Equalizer Timer.

If battery voltage drops below a set value (i.e. 25.5 VDC), the charger switches to the equalize mode and the yellow equalize indicator illuminates. The charger remains in equalize mode until the battery voltage reaches another set value (i.e. 28 VDC). This ensures that the battery is completely recharged and not cycled. At this voltage the charger is switched to the float mode and the yellow equalize indicator turns off.

If battery voltage remains low, a red low voltage alarm indicator illuminates. If battery voltage remains high, a red high voltage alarm indicator illuminates. An optional summary alarm relay is available for remote locations.

### Features

- Fully automatic equalizing
- Constant voltage output/continuous duty
- Diagnostic alarms
  - Equalize indicator and test button
  - AC Power On indicator
  - Low Voltage indicator
  - High Voltage indicator
- DC ammeter and voltmeter
- AC circuit breaker
- Terminal board
- Stainless steel for corrosion resistance
- Vacuum impregnated, ferroresonant transformer for reliability
- Flush meters
- Two year limited warranty
- UL Listed

### Optional Accessories

- Remote summary relay
- Battery temperature compensation
- Low DC voltage alarm relay
- High DC voltage alarm relay
- Combined Low/High voltage alarm relays
- Current failure relay
- AC power failure relay

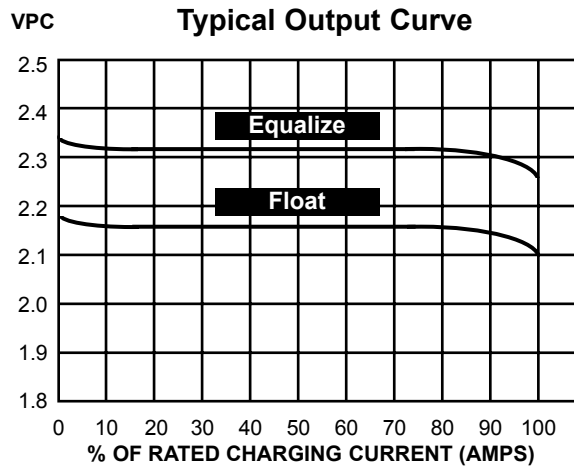


# Specifications

<b>AC Input</b>	108-132 volts/60 Hz (220 volts/50 Hz optional)
<b>Operating Temperature</b>	0° to 50° C (32° to 122° F)
<b>Storage Temperature</b>	-20° to 60° C (-4° to 140° F)
<b>Cooling</b>	Convection
<b>DC Output</b>	
<b>Float</b>	2.16 VPC for lead Acid, 1.45 VPC for nickel cadmium
<b>Equalize</b>	2.33 VPC for lead Acid, 1.55 VPC for nickel cadmium
<b>Current Limit</b>	Approximately 135%
<b>Enclosure</b>	304 stainless steel hinged cover to facilitate installation

Model Number	D.C. Output		Height Inches	Width Inches	Depth Inches	Approx. Weight
	Amps	System Voltage				
<b>12 Volt</b>						
AA1206*	6	12	11	9	8.5	12
AA1210*	10	12	11	9	8.5	14
AA1220*	20	12	11	9	8.5	22
<b>24 Volt</b>						
AA2406*	6	24	11	9	8.5	14
AA2410*	10	24	11	9	8.5	22
AA2420*	20	24	16.5	15	8.5	38
<b>32 Volt</b>						
AA3206	6	32	11	9	8.5	22
AA3210	10	32	11	9	8.5	26
AA3220	20	32	16.5	15	8.5	50

\*UL Listed



# Ordering Information

When ordering, please specify:

1. Model number
2. AC input: voltage & frequency
3. Battery type and number of cells
4. Ampere-hour capacity of battery
5. Recharge time desired
6. Description of load
7. Options

Contact your Charles sales representative for specific product information.



## Technical Support

- Field-proven and unequalled 24-hour technical support
- Individualized application consultation
- Training courses available

Visit our website at <http://www.charlesindustries.com>



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