



PORTABLE BATTERY CHARGER



CONVENIENCE: La Marche A98C battery charger can be carried anywhere, allowing you to charge your batteries on the go.

INDEPENDENCE: With this portable battery charger, the A98C can be independent of a main power source, and can be plugged into an outlet.

EXTENDED POWER: A98C Portable battery chargers can provide additional power to your loads, which can help extend their usage time.

RELIABILITY: Portable battery chargers can be used as a backup power source, ensuring that your loads will continue to function.

COMPATIBILITY: The A98C portable battery chargers provides wide input range, allowing you to use the charger for multiple locations.

EASE OF USE: The A98C Portable battery charger simple to use and do not require any special skills or technical knowledge to operate.

Standard Features

- High Frequency Switchmode Technology
- Battery Eliminator
- Power Factor of 0.99 at Full-Load
- Efficiency up to 93%
- Front Panel LCD Display Monitor DC Voltage, DC Amps and Alarms
- Adjustable Float / Equalize
- Wheeled Cart
- Multi-Mode Equalize Timer; Adjustable from 1-144 hrs with five selectable modes: Standard, 7-day, 14-day, 30-day and Auto Equalize on Low DC Voltage
- AC & DC Breaker
- Combination Alarm Package
- High Voltage Shutdown
- AC Power Failure Alarm with Form "C" Contacts
- Walk-In Circuit
- 1-Year Warranty

Optional Accessories

- Rack Mount or Wall Mount Configuration
- 434 Reverse Polarity Protection



	Model Number	DC Output		AC Input Phase	DC Breaker	Nominal Current Draw @ 100% Load (Amps)	AC Feeder Breaker Size	Overall Dimensions W x D x H	Shipping Weight	
		Amps	Volts						lbs	kg
48 VDC 24L or 37NC	A98C-50-48V-V1	50	48	1	60	15	20	28.82 x 21.76 x 44.28" 732 x 552.7 x 1124.7mm	49	22.3
	A98C-100-48V-V1	100	48	1	120	30	35	28.82 x 21.76 x 44.28" 732 x 552.7 x 1124.7mm	60	27.3
125 VDC 60L or 92NC	A98C-20-125V-V1	20	125	1	25	15	20	28.82 x 21.76 x 44.28" 732 x 552.7 x 1124.7mm	49	22.3
	A98C-40-125V-V1	40	125	1	50	30	35	28.82 x 21.76 x 44.28" 732 x 552.7 x 1124.7mm	60	27.3
	A98C-60-125V-V1	60	125	1	70	45	60	28.82 x 21.76 x 44.28" 732 x 552.7 x 1124.7mm	130	59.1

INPUT

- **Input Voltage Range**
185-264VAC
- **Input Frequency Range**
45-66Hz
- **Power Factor**
Power factor correction circuitry corrects the input power factor to 0.99 at full-load.

OUTPUT

- **DC Output**
DC Amps: 20 to 150 amperes
DC Volts: 48 & 125VDC
- **Regulation**
Dynamic response (with battery). Maximum voltage transient will not exceed $\pm 10\%$ of initial steady state voltage for a step change from 20% to 100% of the full rated load. Recovery to steady state voltage regulation range does not exceed 50ms and all transient behavior disappears within 100ms.
- **Steady State**
Typical output voltage is $\pm 0.5\%$ of the setting from no load to full load over the specified input voltage, and ambient temperature ranges.
- **Current Limit**
Maximum output current limited at 105% of its rated value.

FILTERING

- **Ripple Voltage**
With Battery Connected
< 30 mV RMS
Without Battery Connected
< 45 mV RMS
- **Electromagnetic Interference (EMI)**
EMI (conducted or radiated) rated in accordance with FCC Part 15. Class "A" limits.

ENVIRONMENTAL

- **Operating Temperature**
0°C (32°F) to 50°C (130°F)
- **Storage Temperature**
-40°C (-40°F) to 85°C (185°F)
- **Humidity**
0% to 95% relative humidity, non-condensing

PROTECTION

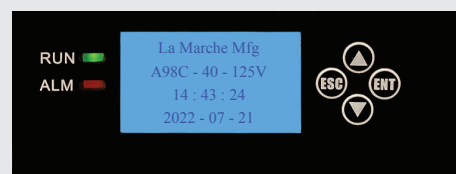
- **Walk-In Circuit**
Output voltage will gradually increase after the charger is turned on, eliminating surges and over-shoot.
- **High Voltage Shutdown**
Included
- **AC Breaker**
Single Phase
2-pole circuit breaker.
Three Phase
3-pole circuit breaker.
- **DC Breaker**
2-pole circuit breaker.

ADDITIONAL

- **Audible Noise**
Less than 54dBa at any point three feet from any vertical surface of the rectifier.
- **Cooling**
Fan Cooled
- **CONTROLS**
- **Float/Equalize Switch**
Rectifier may be equalized locally via front panel switch.
- **Float Voltage**
48V Adjustable From 50.8-54V
130V Adjustable From 120-135V
- **Equalize Voltage**
48V Adjustable From 54-58V
130V Adjustable From 130-144V

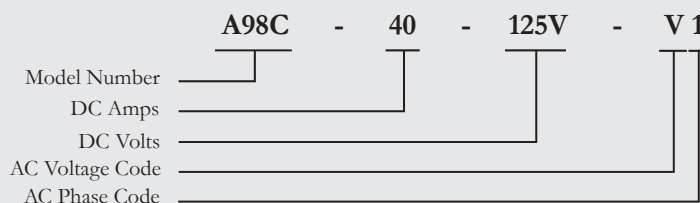
A98C CONTROLLER SPECIFICATIONS

The A98C is designed with an intelligent controller to ensure efficient and reliable operation of the rectifiers, and to provide various functions to improve the performance and management of the system. The controller is equipped with features such as battery management, load management, alarm management, energy efficiency, etc.



- LCD Display
- LED Indicators
 - ON
 - Alarm (Fault)
- 6 Dry Alarm Contacts
- 4 Digital Inputs
- Battery Temperature Sensor Input

Model Number Nomenclature



AC Phase Codes
1 - Single Phase
3 - Three Phase

DC Voltage
48V
125V