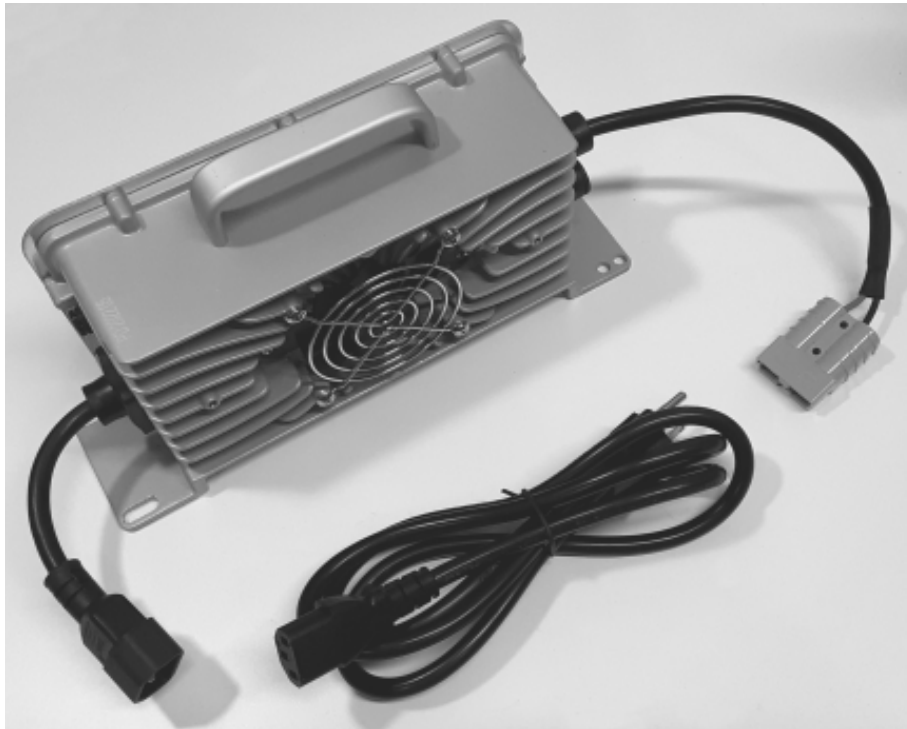




## 48V 15A LEAD ACID Battery Charger

Part Number: CGR-630

Description: CHGR-4815-LA (Lead Acid)



### OPERATORS MANUAL

Serial number: \_\_\_\_\_

Purchase date: \_\_\_\_\_

#### INSTRUCTIONS:

Thank you for purchasing our product. Please read the entire instructions before use. The CGR-630 Lead Acid 48V 15A charger is an economic, high quality 100-240V AC SMART charger for Lead Acid batteries.

The charging program consists of 5 STAGES: Pre-charge, constant current mode 1, constant current mode 2, constant voltage, and float mode charging. The chargers provide protection against overload, over-voltage, over-heating, short circuit and reverse polarity connections. The charger also has a 15 DAY recharge to keep your batteries topped off.

#### PLUGS:

Your charger ships with a short cord SB50 GREY quick disconnect. The Vehicle Gender specific cords for Club Car, E-Z-GO, Yamaha, are ordered separately. Please ensure SB50 QD connectors are tight before use. Observe polarity!



**SPECIFICATIONS:**

<b>DC Output</b>	
Maximum DC output voltage	58.8V
Maximum DC output current	15A
Maximum DC output power	850W
Nominal DC output current	15A @ 110VAC, 15A @ 220VAC
Battery type	Lead Acid 48V ONLY
<b>AC Input</b>	
AC input voltage range	85-265VAC (With 16AWG IEC C13/C14 Connector)
Nominal AC input voltage	100-240VAC
Nominal AC input frequency	50 / 60Hz
Maximum AC input current	10A~110VAC, 5A~220VAC
Nominal AC input current	6A~110VAC, 3A~220VAC, (Float mode <1A)
Power factor	>0.9pf
<b>Mechanical</b>	
Dimensions	L*W*H = 28.2 x 12.97 x 7.3 cm (11.1 x 5.1 x 2.87")
Weight	7 lbs (3.2 kg) (Including charger, AC cable only, DC cable separate)
Cooling	Active cooling with fan
<b>Environmental</b>	
Enclosure	IP66
Humidity	5% – 95%
Operating temperature	-20°C to +65°C (-4°F to 149°F), Derated at >40°C (104°F)
Storage temperature	-40°C to +85°C (-40°F to 185°F)

**EXPLANATION OF LED STATUS:**

<b>LED</b>	<b>Charger Status</b>
1. LED solid green.	The charger is ready to charge, or Charging is complete.
2. Red or yellow or green light blinks one time per second.	Red light: SOC<80%, Yellow light: SOC<90%, Green light: SOC<100%
3. Red light blinking quickly.	Input power failure.
4. Red and Green light blinks alternately.	Short circuit or reversed.
5. Red light blinks 2 times, interval 1 second, blinks 2 times again.	Charger temperature over-heating alarm.
6. Red light blinks 3 times, interval 1 second, and then blinks 3 times.	Output over-current alarm.
7. Red light blinks 4 times, interval 1 second, then blinks 4 times.	Output over-voltage alarm.



## WARNING AND SAFETY NOTES:

- Battery manufacturers recommend NEW batteries to CHARGE THE BATTERY FIRST BEFORE DRIVING IT. It takes 2-3 discharge/recharge cycles to balance a NEW battery.
- Never leave the charger unattended when it is connected to its power supply.
- The allowable AC input voltage is 100-240VAC, 50/60Hz. Never connect it to any other voltage.
- Never place the charger and batteries connected to it on any form of flammable surface.
- Never operate the charger in the vicinity of flammable material or gas.
- Do not submerge the charger in liquids.
- Ensure that there is unrestricted airflow to and from the charger's cooling slots. Never place the charger on a carpet or similar surface.
- Do not overload AC circuits, the charger may need a full 15amp circuit.
- Do not short circuit the terminals.
- Take great care to maintain correct battery polarity. (STICKER ON UNIT HAS WIRE COLOR AND POLARITY)
- Read the battery manufacturer's instructions and adhere to them strictly.

### PROP 65:

#### CALIFORNIA PROPOSITION



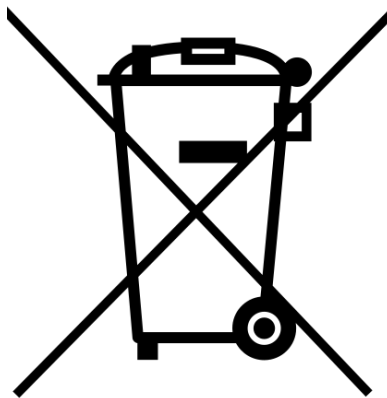
**65 WARNING**



**WARNING:** This product contains chemicals known to the state of California to cause cancer or birth defects or other reproductive harm.

For more information: [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**Recycle Electronic Component**







**DRIVE, CHARGE, DRIVE, REPEAT.**



**RHOX chargers are highly efficient, very compact, and most important, Durable.**

