

INSTRUCTION MANUAL

GCC-D10A series

Dual-Battery Charge Controller

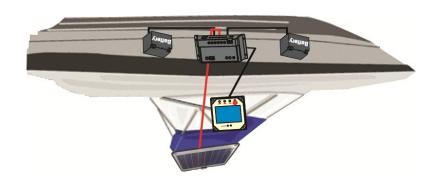
Ganz Eco-Energy's Dual Battery Charge Controller charges two independent battery banks using only one solar panel array. This unit is fully automatic and switches between batteries depending on their state of charge. For Boats, RVs, and other systems with two batteries. Can also be used with one battery.



RATINGS (12/24V auto work)

GCC-D10A, 10A, 12/24V auto-work

NOTES: For use with solar panels only



Setting 3: Selects Charging Frequency

This is important because the controller frequency may interfere with other electronics such as radios or radar.

ZH001	7
zH09	l
Z5Hz(pre-set)	0
PWM Charging frequency	Number shown

LED Indications and Troubleshooting:

- 1. LED blinking short circuit, check the PV and battery, and make sure connections are correct.
- 2. LED slowly flashing fully charged.
- 3. LED ON charging

Distributor.

- 4. LED frequent flashing, with battery not charging
- 5. LED OFF, no battery or over voltage.
- For technical questions, please contact your Authorized
- * Warranty: 2 years Contact your Authorized Distributor for
- complete terms and conditions.

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NY: 55 Mall Dr., Commack, NY 11725 800.422-6707 CA: 20521 Earl 5t., Torrance, CA 90503 800 888-0131 www.cbcamerica.com/ecoenergy

Battery 1 and Battery 2 - Note: Battery #1 is typically the house and battery #2 is typically the starting battery for Boats and RV's.

Provides charging & battery status and errors

♦ Remote meter connection (Optional)

A communication port for the remote meter.

Note: Where there is no RTS, the controller calculates the data which is received from the local temp. sensor. The controller changes to RTS automatically when the RTS is connected.

SETTING MODE: There are 3 user programmable functions. They are programmed by looking at flashing LED's and pressing the "SET" button in different sequences. Hold the switch for 5 seconds until the number flashes. Once the number you choose is selected it will automatically be saved.

	1		
əpow		charging frequence	
	charging priority		
		pattery type	

	Flooded battery	ω
	Do not use	7
◆ (breset)	Sealed/Gel battery -	l
Setting 1: Selects the battery type	Battery type	Number Shown

Setting 2: Battery Priority Selection Function - Only set the % you want for battery #1. The controller will automatically calculate the % for battery #2.

Note: In the normal charging status, the controller will divide the charging current between 2 batteries by percentage. If battery #1 is completely charged, then the charge current will be diverted to battery #2 and return to the setting charging automatically when the battery #1 is in low voltage. When the controller detects there is only one controller detects there is only one battery, then all the current charge will automatically go to that battery.

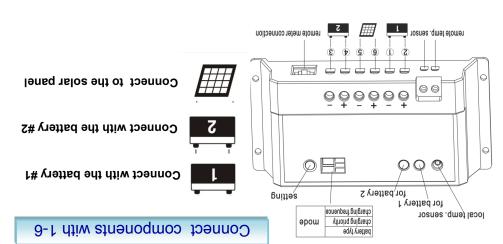
%0l	%06	6
50%	%08	8
30%	%0 ∠	L
%0 †	%09	9
%09	20% (breset)	S
%09	%0 1 ⁄	ħ
%0 <i>L</i>	%0E	3
%08	50%	7
%06	%0l	l
%00l	%0	0
charging	charging	Shown
Battery # 2	Battery #1	Number

NOTE: Controller should not be exposed to water and should be installed in an enclosed area.

TECHNICAL INFORMATION

-30F to +120F		-30F to	Temperature
2mm 1		2mm₽	Terminals
-30mV։\Մ\/2\		ე./Vm0£-	Temp. compensation
5 - -LЯ niq-8		-LЯ niq-8	Meterbus connection
4mA at night, 10mA at charging			Self-consumption
30 minutes		30 minut	Boost time
V21-8		V21-8	Battery voltage range
30\(or 55\)		30V(or 5	Maximum solar voltage
٧٦.٤١	۱3.۲۷	٧٦.٤١	Float charging voltage
14.2V	۱4.4۷	۱4.2۷	Boost charging voltage
\p.4\	۱4.6۷	۱4.4V	Equalize charging voltage
Gel battery	Flooded battery	Sealed battery	Setpoint

Note: Above data is for 12V. Please double the data if using 24V.



♦ Remote Temp. Sensor: (RTS)

A connection point for RTS (option) to remotely monitor battery temperature.

◆ Local Temp. Sensor:

Measures ambient temperature. Battery regulation is adjusted accordingly.