

# CHARGE WIZARD®



For use only with INTELLI-POWER 9100 SERIES Converters



**OVER 300% FASTER**  
**Battery Recharge**

COMPUTER CONTROLLED  
BATTERY MONITOR/CHARGING MODULE

109480RD

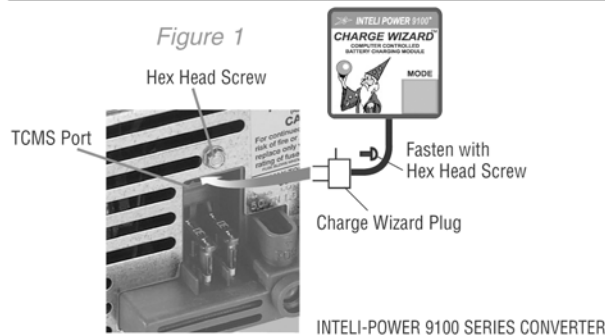
## OPERATION

The Charge Wizard automatically changes the output voltage of the converter by selecting the optimum battery-charging mode appropriate for the battery's charge condition. The charging mode is identified by the Charge Wizard's green light (See explanation below).

Manual operation is achieved by pressing and holding the manual override button. Release button when desired mode is indicated (See explanation below). Charge Wizard will return to Automatic Mode, if needed, to prevent damage to the battery.

OPERATION MODES	GREEN STATUS LIGHT INDICATOR
<b>Normal Mode - 13.6 V</b> . . . . .	Indicator light will flash once per second.
<b>Boost Mode - 14.4 V</b> . . . . .	Indicator light will stay ON.
<b>Storage Mode - 13.2 V</b> . . . . .	Indicator light will flash every 8 seconds.
<b>Desulfation Mode *</b> . . . . .	Indicator light will stay ON.

\*When in the Storage Mode, Charge Wizard increases the output voltage of the converter to 14.4 V for 15 minutes once every 21 hours to prevent battery stratification and sulfation, a battery's number one enemy.




## TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSES	ACTION
Indicator light is not on	Battery is less than 50% charged	Reduce load requirements to allow the battery to recharge
No charge to battery	No AC power to converter	Check AC wiring
	Excessive loading of system	Reduce load requirements
	External Fuse(s) blown	Check battery for reverse polarity Replace fuse(s) with same type and rating
Low Output	Input voltage is less than 105 VAC or above 150 VAC	Correct input supply voltage
	Bad battery cell(s)	Replace battery
	Excessive load for converter	Reduce load requirements or install larger converter

## INSTALLATION


1. Inspect your Intel-Power 9100 Series Converter to ensure it is operating properly. A voltmeter connected across the output terminals should read 13.6 V +/- .3V.
2. Disconnect the 120 VAC Shore Power Cord.
3. Remove the hex head screw above the TCMS port on converter (See fig. 1).
4. Connect the Charge Wizard plug to the TCMS port.
5. Reinstall the screw.
6. Charge Wizard is not water-tight. Do not mount it where it will be exposed to weather or wet conditions.
7. Remove protective layer from tape on back of the Charge Wizard.
8. Attach the Charge Wizard to a clean, smooth surface. DO NOT mount Charge Wizard on the converter.



 **INTELI-POWER 9100**

## CHARGE WIZARD®

**GIVES YOUR BATTERY LONGER LIFE!**




This computer-controlled module is designed to operate exclusively with Progressive Dynamics Intelli-Power 9100 Series Converters. It constantly monitors your RV battery and automatically adjusts the converter output voltage based on the battery's charge status. It features four (4) operating Modes: NORMAL, BOOST, STORAGE and DESULFATION. Each Mode is automatically selected and ensures a fast yet safe recharge for your RV battery and helps give your battery a longer life.

**NORMAL MODE** – Converter output voltage is 13.6 VDC. This voltage maintains your battery while the RV is being used and 120 VAC is available from the shore power cord or the RV generator.

**BOOST MODE** – Charge Wizard automatically increases converter output voltage to 14.4 VDC when it senses your battery is heavily discharged. This mode will recharge your battery to 90% of full charge in 2 – 3 hours which is about 300% FASTER than other products. After your battery reaches 90% of full charge, Charge Wizard automatically returns the Intelli-Power 9100 Series Converter to the Normal Mode to safely complete the charge.


**STORAGE MODE** – If Charge Wizard senses no battery activity for approximately 30 hours, it selects Storage Mode and reduces the converter output voltage to 13.2 VDC. This maintains the charge on your battery and prevents excess gassing and waterloss. The Storage Mode allows the RV to be connected to 120 VAC power continuously without worrying about overcharging.

**DESULFATION MODE** – Automatically selected every 21 hours while Charge Wizard is set in the Storage Mode and increases the converter output voltage to 14.4 VDC for 15 minutes. This Mode prevents battery stratification, sulfation and loss of battery capacity (useful life).  
Sulfation is a battery's number one enemy!

 **Progressive Dynamics, INC.**  
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For more technical information about the Charge Wizard and its performance, visit us at [www.progressivedyn.com](http://www.progressivedyn.com)

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