

Technical Bulletin

W E K N O W T H E R O A D™

X-C 6XXX Computers External Charger

It has been determined that the Itronix External Chargers, under certain circumstances, are not properly charging the 3500 and 4500 mAH Battery Packs. In order to prevent premature cycle life reduction, we recommend that Nickel Metal Hydride Battery Packs (developed after the release of the 50-0049-001 version of our external charger) be treated as listed below.

The following table addresses the proper charge characteristics that allow for effective recharge cycles on the affected Battery Packs.

Battery Pack	Discharge Level	Charge Time	Green LED Charge Status
3500 mAH	~ 25% Gas Gauge (or on low battery voltage warning)	3 to 3-1/2 Hrs	Changes from "Blinking" to "On"
4500 mAH	~ 25% Gas Gauge (or on low battery voltage warning)	3-1/2 to 4 Hrs	Changes from "Blinking" to "On"

As noted in the table, it is strongly suggested that both types of Battery Packs be used until they reach approximately 25% of their Gas Gauge readings. This ensures that upon completion of the TIMED charging cycles, as listed above, the batteries will be charged to approximately 80 to 100% levels.

CAUTION DO NOT leave battery pack in charger for more than 4 hours, (even if Green LED is still blinking) or more than 10 minutes past "Charge Complete" status as indicated by the Green LED changing from "Blinking" to constant "On."

IMPORTANT It is difficult to quantify the amount of decrease in charge acceptance when batteries are operated in hot or cold temperatures. Battery characteristics will change depending on the current drawn, and individual batteries may operate differently.

