



Explorer 9 Lithium Heater Pack 20Ah w/LED Fuel Gauge



-Charger Included (1.8Ah)
-19 inch e/o cord
Owner's Manual

24587 NW 178th Place
High Springs, FL 32643 USA
(386) 454-0811 Voice
(386) 454-0815 FAX
1-800-HALCYON
1-800-(425-2966) Toll Free

www.halcyon.net

#halcyondivesystems

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Explorer 9 Lithium Heater Pack 20Ah Owner's Manual

You have just purchased the latest technology for long lasting battery life and monitoring that battery life while on a dive. Below are a few SPECS that are important to know.

Notes

Battery pack is fully insulated.
Components are to be UL recognized where applicable.
All wires are UL 1007/1569.
LED colors: Blue and red

Battery Specification

Cell: MolI, ICR18650M
Configuration: 3S7P
Capacity: 19.6Ah (18.2Ah min)
Energy: 218Wh (203Wh min)
Voltage: 11.1V

Charge

Method: Constant current/constant voltage (CC/CV)
Current: 9.8A recommended (12A max)*
Voltage: 12.6V max
Termination: 700mA min
Temperature: 0°C to +45°C

Discharge

Current: 12A Continuous*
Termination: 9.0V min
Temperature: -10°C to +60°C
* Pending qualification test results.

The Halcyon Warranty

All warranty requests must be accompanied by proof of original purchase, from an Authorized Halcyon Dealer.

HALCYON warrants, to the original purchaser only, that HALCYON's primary and video lighting systems will be free of defects in materials and/or craftsmanship under normal diving use for one year from the date of purchase, provided proper care is performed on all materials as described within this manual. Should your HALCYON light prove to be defective for any reason (other than those listed in the limitations section below) it will be repaired or replaced (at Halcyon's discretion) free of charge excluding shipping and handling charges. HALCYON Apollo, Helios, and Proteus canisters carry a lifetime warranty, to the original purchaser only, under normal diving use and provided proper care is performed within this manual. All correspondence concerning this warranty must be accompanied by a copy of the original sales receipt. Repair or replacement is HALCYON's only responsibility and you only remedy under this warranty. Contact HALCYON at techservices@halcyon.net before sending any products back to the manufacturer.

HALCYON MANUFACTURING DISCLAIMS AND EXCLUDES ANY LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. SOME STATES IN THE U.S. AND CERTAIN FOREIGN COUNTRIES DO NOT ALLOW EXCLUSIONS OR LIMITATIONS OF LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS MAY NOT APPLY TO YOU.

The following restrictions apply to this warranty:

1. Warranty does not cover damage from accident, abuse, battery leakage, tampering, or lack of proper care and maintenance.
2. Warranty does not extend to batteries or light bulbs. Halcyon battery packs carry a 90-day conditional warranty, starting at the date of original purchase.
3. Modifications or repair by anyone other than an authorized Halcyon service agent will void the warranty.
4. This warranty does not extend to products whose serial number has been altered, removed, or intentionally defaced.
5. Cosmetic damage, such as scratches, fraying, and nicks are not covered by this warranty.
6. This warranty does not extend to equipment used for rental, commercial, governmental or military purposes.
7. This warranty covers products purchased in the United States. For warranties that may apply elsewhere, please contact your local representative.
8. Failure to meet any of the above requirements will render the warranty null and void.

Shutdown Mode

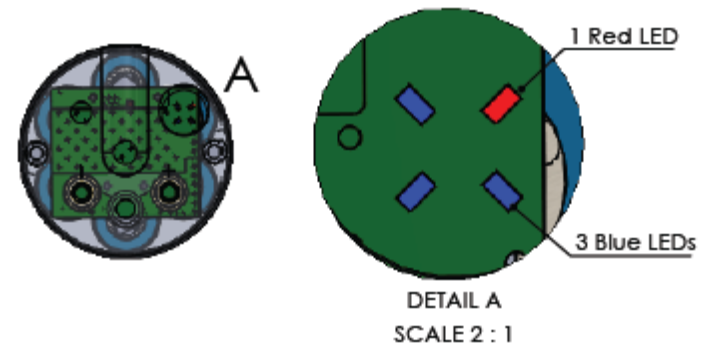
Shutdown mode is activated automatically if the battery is in stand-by mode for at least 2 hours. No LEDs will be displayed.

Overview of the LED light technology

Capacity	Red LED	Blue LED 1	Blue LED 2	Blue LED 3
75-100%	Active	Active	Active	Active
50-74%	Active	Active	Active	Inactive
25-49%	Active	Active	Inactive	Inactive
10-24%	Active	Inactive	Inactive	Inactive
Less than 10%	Flashing	Inactive	Inactive	Inactive
Over discharge	Inactive	Inactive	Inactive	Inactive

Care and maintenance

- Your Explorer Heater Pack is very resilient but should be treated with care to ensure maximum lifespan.
- You should clean the outside of the heater pack with freshwater after each dive, and keep it clean
- Keep O-rings free of dirt and lightly lubricated
- Do not try to rewire or disassemble the battery pack as this will void any warranty.



Battery Wake Up

Battery wake up occurs when battery is charged or discharged.

Charging Mode

Charge mode is active while the battery is charging and current is at least 100mA.

LEDs will display capacity per the table on page 5 with the right-most active LED flashing.

LEDs will be displayed 4.75 seconds on with 0.25 seconds refresh for a period of 5 seconds total.

Discharging Mode

Discharge mode is active while the battery is discharging and current is at least 100mA.

LEDs will display capacity per the table on page 5 without flashing unless capacity is less than 10%.

LEDs will be displayed 4.75 seconds on with 0.25 seconds refresh for a period of 5 seconds total.

Stand-By Mode

Stand-by mode is active while charge and discharge current is less than 100mA.

Stand-by mode is active for 2 consecutive hours before shutdown mode is automatically enabled.

LEDs will display capacity per the table on page 5 without flashing unless capacity is less than 10%.

LEDs will be displayed 4.75 seconds on with 10.25 seconds refresh for a period of 15 seconds total.

Universal Smart Charger guide is inside the charger box for specifications and care.



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