

# ***Instructions for use***

## **CHARGER OFF-SHORE II**

This charger utilises the latest in electronic charger technology with a wide range input voltage (110v - 250v) with frequencies of between 45 - 65 Hz. (There is no need to manually select the input voltage). All Hartenberger power packs with between 5 and 12 cells will be automatically recognised by the charger, and charged as fast as possible.

The charging current can reach 1,8 amps.

Charging time approx. 2.5 hrs.

The charger is activated by plugging it into the mains supply.

The function of the charger is monitored via 2 light emitting diodes (LED' s) with varying colours and flashes.

### **LED I :**

Green      Input voltage is present, the charger is functioning properly.

Red        Input voltage is present, the charger is overloaded or defective

Out        No input voltage present.

The charger cable should now be plugged into the charging socket in the power pack. Do not use overdue force when fitting the plug into the socket. Avoid any chance of short circuiting the contacts of the plug or the power pack.

### **LED II :**

Red        No Cells are connected (interruption).

Green      blinking Rapid charge up to approx. 95% of capacity.

Green      Trickle charge with a reduced current.

Out        Maintenance charge, Cells are fully charged.

All the functions of the charger are monitored by a controller in the charger.

This monitoring has a time lag when the function of the charger changes, and may lead to a slight delay in the LED' s reacting, (1-5 seconds). The charger

has an integrated mechanism protecting it against overheating and large fluctuations in mains voltage (LED I turns red). Should the protection cut in, the charging process will be interrupted. After the mains plug has been removed from the mains socket for a few minutes, the charger will then be ready for use again. Care must be taken to achieve adequate cooling in extreme environments.

### **Warning !**



**Do not operate the lamp immediately after the charging cycle is completed.**

**Do not point the lamp at yourself or in the direction of other persons.**

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