

STORING YOUR HOPE LI-ION BATTERY PACK.

In order to prevent any malfunction within your Li-Ion battery pack and to preserve the capacity as much as possible, there are a number of procedures which must be considered when storing your battery pack for long periods while not in use [ie. over the summer months].

STORAGE AND TRANSPORTATION:

Always disconnect the lamp unit from the battery pack when not in use. When the lamp unit and battery pack are connected there is a small amount of power constantly running through the circuit which could – over a period of me – over discharge the battery pack resulting in loss of battery function and capacity. This will also prevent the lamp unit accidentally switching on and potentially overheating, which could cause permanent damage to the lamp and battery. In extreme cases, overheating could cause fire and/or death.

STORAGE TEMPERATURE:

The battery pack should be stored within the temperature range of -20°C to 25°C in order to preserve cell capacity. Ideally in a cool, dry room such as a cellar or garage.

OVER DISCHARGING:

As with most battery cells, Li-Ion cells may discharge if they are not used for a long me. In order to prevent over discharging fully charge the battery pack before you store it. Also, charge the battery pack periodically [ie. once every 3-4 weeks] to maintain the cell voltage between 3.4V to 3.8V [a minimum of 50% of the nominal capacity]. Over discharging may cause loss of cell performance, or damage battery function.

If these few procedures are followed correctly, you can be sure that when the dark nights creep back in your HOPE Battery pack will be fit and raring to go!