

# Storage Instructions

<b>Service Manual Heading:</b> E400FCEV Storage		
<b>Models Affected:</b> All E400FCEV	<b>Title:</b>  <b>E400FCEV Vehicle Storage Guide</b>	
<b>Date:</b> December 2022		
<b>Page:</b> 1 of 1		

## Storing Vehicle

When it is necessary to store the vehicle for longer than a few days it is important to make sure the correct precautions are taken and storage procedures followed.

### 24V battery

Alexander Dennis Ltd recommend regular testing of the 24v battery system in order to maintain optimum battery performance and to reduce vehicle downtime. It is recommended that an industry suitable tester be used to determine the condition of the batteries on a regular basis.

The tester must be correctly suited to the task of testing an SLI lead-acid battery with up to 230Ah and 1200A CCA. A suggested example of this is the Midtronics inTELLECT EXP-1000 FHD Expandable Electronic Diagnostic Platform

### Traction Battery

The batteries should be at a SOC of 40%±10%. Optimum temperature for storage is 0°C to +25°C, storage outside this range is not recommended. Humidity should not exceed 80%. Li-ion self-discharge is at around 4% per month, so this must be monitored over time and topped up if possible.

### Fuel Cell

The allowable storage temperature range for the fuel cell vehicle is 0°C to +25°C. Before placing the bus into storage, check the fluid level and condition in the header tank of the DI/Coolant tank  
 For storage below -25°C, consult ADL to ensure the correct precautions have been taken.

### Hydrogen Storage Tanks

For long term storage of hydrogen-powered vehicles indoors, the gas must be safely emptied in a suitable place, if possible, outdoors. Explosion protection must be observed. Only vessels with inert storage pressure may be stored inside a building without further protective measures. Leaving a defueled vessel at atmospheric pressure must be prevented to avoid damage to the storage tanks.

Nitrogen gas may be used to maintain safe pressure within the tanks. A storage pressure of 20 bar should be used and checked on a regular basis.