

Conditions for Long Term Tests of Short Stacks at CEA

(for Endurance and Diamond Projects)

Test performed on a short SOLIDpower stack in galvanostatic mode with 'accelerated' conditions:

Temperature	750°C
Current density	0.75 A/cm ² (or less if not possible)
Fuel Utilization	80%
Gas composition	3%H ₂ O +H ₂

In addition to the cell voltage record over the time, complementary measurements are foreseen each period of 500 hrs:

Impedance spectra	OCV and 0.75 A/cm ²
Total Harmonic Distortion	Conditions defined in the frame of Diamond project.
Polarization curve	N/A