'1 + dlnf/dlnc': 1.0,

'Ambient temperature [K]': 298.15,

'Bulk solvent concentration [mol.m-3]': 2636.0,

'Cation transference number': 0.4,

'Cell capacity [A.h]': 0.680616,

'Cell cooling surface area [m2]': 0.0569,

'Cell volume [m3]': 7.8e-06,

'Current function [A]': 0.680616,

'EC diffusivity [m2.s-1]': 2e-18,

'EC initial concentration in electrolyte [mol.m-3]': 4541.0,

'Edge heat transfer coefficient [W.m-2.K-1]': 0.3,

'Electrode height [m]': 0.137,

'Electrode width [m]': 0.207,

'Electrolyte conductivity [S.m-1]': <function electrolyte\_conductivity\_Capiglia1999 at 0x000002670CEBB400>,

'Electrolyte diffusivity [m2.s-1]': <function electrolyte\_diffusivity\_Capiglia1999 at 0x000002670CEBB5B0>,

'Initial concentration in electrolyte [mol.m-3]': 1000.0,

'Initial concentration in negative electrode [mol.m-3]': 19986.609595075,

'Initial concentration in positive electrode [mol.m-3]': 30730.7554385565,

'Initial inner SEI thickness [m]': 2.5e-09,

'Initial outer SEI thickness [m]': 2.5e-09,

'Initial temperature [K]': 298.15,

'Inner SEI electron conductivity [S.m-1]': 8.95e-14,

'Inner SEI lithium interstitial diffusivity [m2.s-1]': 1e-20,

'Inner SEI open-circuit potential [V]': 0.1,

'Inner SEI partial molar volume [m3.mol-1]': 9.585e-05,

'Inner SEI reaction proportion': 0.5,

'Lithium interstitial reference concentration [mol.m-3]': 15.0,

'Lower voltage cut-off [V]': 3.105,

'Maximum concentration in negative electrode [mol.m-3]': 24983.2619938437,

'Maximum concentration in positive electrode [mol.m-3]': 51217.9257309275,

'Negative current collector conductivity [S.m-1]': 59600000.0,

'Negative current collector density [kg.m-3]': 8954.0,

'Negative current collector specific heat capacity [J.kg-1.K-1]': 385.0,

'Negative current collector surface heat transfer coefficient [W.m-2.K-1]': 0.0,

'Negative current collector thermal conductivity [W.m-1.K-1]': 401.0,

'Negative current collector thickness [m]': 2.5e-05,

'Negative electrode Bruggeman coefficient (electrode)': 1.5,

'Negative electrode Bruggeman coefficient (electrolyte)': 1.5,

'Negative electrode OCP [V]': <function graphite\_mcmb2528\_ocp\_Dualfoil1998 at 0x000002670CEBB130>,

'Negative electrode OCP entropic change [V.K-1]': <function graphite\_entropic\_change\_Moura2016 at 0x000002670CEBB2E0>,

'Negative electrode active material volume fraction': 0.6,

'Negative electrode cation signed stoichiometry': -1.0,

'Negative electrode charge transfer coefficient': 0.5,

'Negative electrode conductivity [S.m-1]': 100.0,

'Negative electrode density [kg.m-3]': 1657.0,

'Negative electrode diffusivity [m2.s-1]': <function graphite\_mcmb2528\_diffusivity\_Dualfoil1998 at 0x000002670CEBB0A0>,

'Negative electrode double-layer capacity [F.m-2]': 0.2,

'Negative electrode electrons in reaction': 1.0,

'Negative electrode exchange-current density [A.m-2]': <function graphite\_electrolyte\_exchange\_current\_density\_Dualfoil1998 at 0x000002670CEBB250>,

'Negative electrode porosity': 0.3,

'Negative electrode specific heat capacity [J.kg-1.K-1]': 700.0,

'Negative electrode thermal conductivity [W.m-1.K-1]': 1.7,

'Negative electrode thickness [m]': 0.0001,

'Negative particle distribution in x': 1.0,

'Negative particle radius [m]': 1e-05,

'Negative tab centre y-coordinate [m]': 0.06,

'Negative tab centre z-coordinate [m]': 0.137,

'Negative tab heat transfer coefficient [W.m-2.K-1]': 10.0,

'Negative tab width [m]': 0.04,

'Number of cells connected in series to make a battery': 1.0,

'Number of electrodes connected in parallel to make a cell': 1.0,

'Outer SEI open-circuit potential [V]': 0.8,

'Outer SEI partial molar volume [m3.mol-1]': 9.585e-05,

'Outer SEI solvent diffusivity [m2.s-1]': 2.5000000000000002e-22,

'Positive current collector conductivity [S.m-1]': 35500000.0,

'Positive current collector density [kg.m-3]': 2707.0,

'Positive current collector specific heat capacity [J.kg-1.K-1]': 897.0,

'Positive current collector surface heat transfer coefficient [W.m-2.K-1]': 0.0,

'Positive current collector thermal conductivity [W.m-1.K-1]': 237.0,

'Positive current collector thickness [m]': 2.5e-05,

'Positive electrode Bruggeman coefficient (electrode)': 1.5,

'Positive electrode Bruggeman coefficient (electrolyte)': 1.5,

'Positive electrode OCP [V]': <function lico2\_ocp\_Dualfoil1998 at 0x000002670CEBB520>,

'Positive electrode OCP entropic change [V.K-1]': <function lico2\_entropic\_change\_Moura2016 at 0x000002670CEBB490>,

'Positive electrode active material volume fraction': 0.5,

'Positive electrode cation signed stoichiometry': -1.0,

'Positive electrode charge transfer coefficient': 0.5,

'Positive electrode conductivity [S.m-1]': 10.0,

'Positive electrode density [kg.m-3]': 3262.0,

'Positive electrode diffusivity [m2.s-1]': <function lico2\_diffusivity\_Dualfoil1998 at 0x000002670CEBB1C0>,

'Positive electrode double-layer capacity [F.m-2]': 0.2,

'Positive electrode electrons in reaction': 1.0,

'Positive electrode exchange-current density [A.m-2]': <function lico2\_electrolyte\_exchange\_current\_density\_Dualfoil1998 at 0x000002670CEBB370>,

'Positive electrode porosity': 0.3,

'Positive electrode specific heat capacity [J.kg-1.K-1]': 700.0,

'Positive electrode thermal conductivity [W.m-1.K-1]': 2.1,

'Positive electrode thickness [m]': 0.0001,

'Positive particle distribution in x': 1.0,

'Positive particle radius [m]': 1e-05,

'Positive tab centre y-coordinate [m]': 0.147,

'Positive tab centre z-coordinate [m]': 0.137,

'Positive tab heat transfer coefficient [W.m-2.K-1]': 10.0,

'Positive tab width [m]': 0.04,

'Ratio of inner and outer SEI exchange current densities': 1.0,

'Reference OCP vs SHE in the negative electrode [V]': nan,

'Reference OCP vs SHE in the positive electrode [V]': nan,

'Reference temperature [K]': 298.15,

'SEI kinetic rate constant [m.s-1]': 1e-12,

'SEI open-circuit potential [V]': 0.4,

'SEI reaction exchange current density [A.m-2]': 1.5e-07,

'SEI resistivity [Ohm.m]': 5000000.0,

'Separator Bruggeman coefficient (electrode)': 1.5,

'Separator Bruggeman coefficient (electrolyte)': 1.5,

'Separator density [kg.m-3]': 397.0,

'Separator porosity': 1.0,

'Separator specific heat capacity [J.kg-1.K-1]': 700.0,

'Separator thermal conductivity [W.m-1.K-1]': 0.16,

'Separator thickness [m]': 2.5e-05,

'Total heat transfer coefficient [W.m-2.K-1]': 10.0,

'Typical current [A]': 0.680616,

'Typical electrolyte concentration [mol.m-3]': 1000.0,

'Upper voltage cut-off [V]': 4.7