Block UBPEMECSTACK





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Inputs

1. Current [A]
2. Time
3. Ambient Temperature / Temperature Setpoint [Celsius]
4. Heating Power [W]

Outputs

1. Stack Voltage [V]
2. Cell Temperature [°C]
3. Hydrogen Mass Flow [kg/timestep]
4. Heat Generation [W]

Parameters

1. Cell Area [cm^2]
2. Amount of Cells per Stack
3. Heat Capacity [J/K]
4. Heat Transfer Coefficient
5. Heat Transfer Exponent
6. Time Step
7. Limitting Current Density
8. Anode Charge Transfer
9. Cathode Charge Transfer

10	Anode Exchange Current Density
11	Cathode Exchange Current Density
12	Thermal Model

Strings

None