Block Q4PC

The Q4PC block implements a four-parameter model typically used for cooling demand calculations of buildings.



Q4PC

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Inputs

1 Ambient temperature T_a / °C

Outputs

1 Cooling demand Q_c / kWh

Parameters

1 Cooling base load Q_{cb} / kWh
2 Cooling change-point temperature T_c / °C
3 Cooling slope α_c / kWh K^{-1} (usually negative)
4 Baseload slope α_{cb} / kWh K^{-1} (usually negative)

Strings

None