Power_grid

buses
hourly_demand_day
hourly_demand_night

+ Power_grid()

◆ 1

1..*

Bus

bus_number
supermarkets

+ Bus()

◆ 1

1..*

Supermarket

supermarket_number_scale
refrigerators

+ Supermarket()

◆ 1

1..*

Refrigerator

fridge_detector
energy_consumption_day
epsilon
compressor_quotient
cooling_power
temperature_outside_fridge
mass_stored
specific_heat_capacity
cooling_room_temperature_min
cooling_room_temperature_max
averaged_cooling_room_temperature
temperature_history
electric_power_consumption_history
averaged_transmission_losses
modified_heat_transmission_coefficient
increased_demand_heat_power_day
factor_cooling_reducer
fridge_number_scale

+ Refirgerator()
+ sum_mass_times_capacity()
+ sum_transmission_losses()
+ sum_all_losses()
+ capacity_estimator()
+ temperature_change()