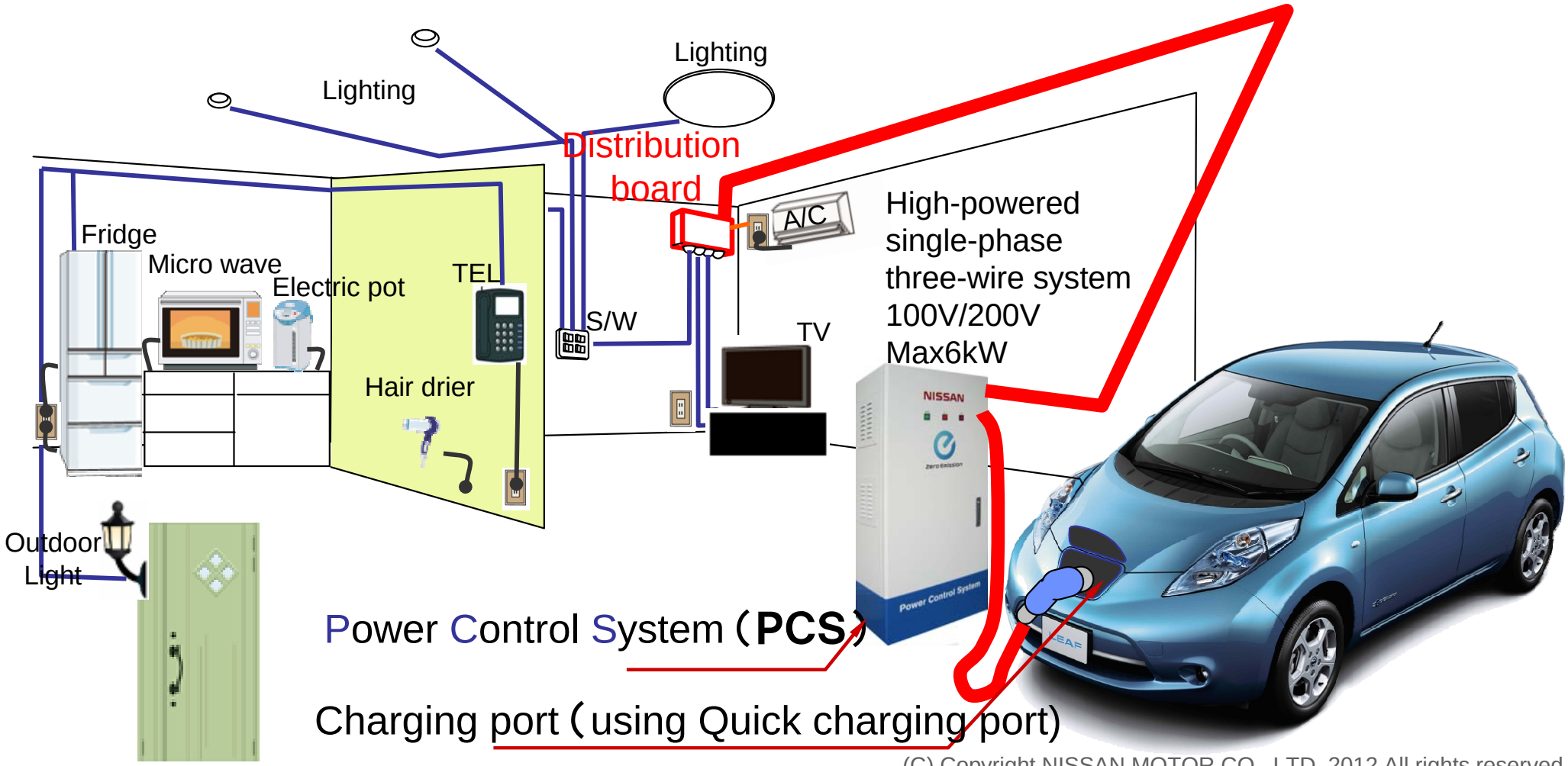
LEAF to Home

2012.7.11

Nissan Motor Co., LTD.

Electricity Supply System with Nissan LEAF
“LEAF to Home”

- Batteries of Nissan LEAF is directly connected to the distribution board at home via Power Control System



Advantage of “LEAF to Home”

①:“Peak shift”

②:Back-up power

③:Solar power storage

Characteristics of “LEAF to Home”

①: Large Capacity

②: High Output Power

③: Simple and easy = One-stop system

④:Charging & discharging

⑤:Existing LEAF compatible

Characteristics of “LEAF to Home”
①：Large Capacity

- Electricity storage capacity (fully-charged): 24 kWh
  Equivalent to electricity used at an average home in Japan for two days.

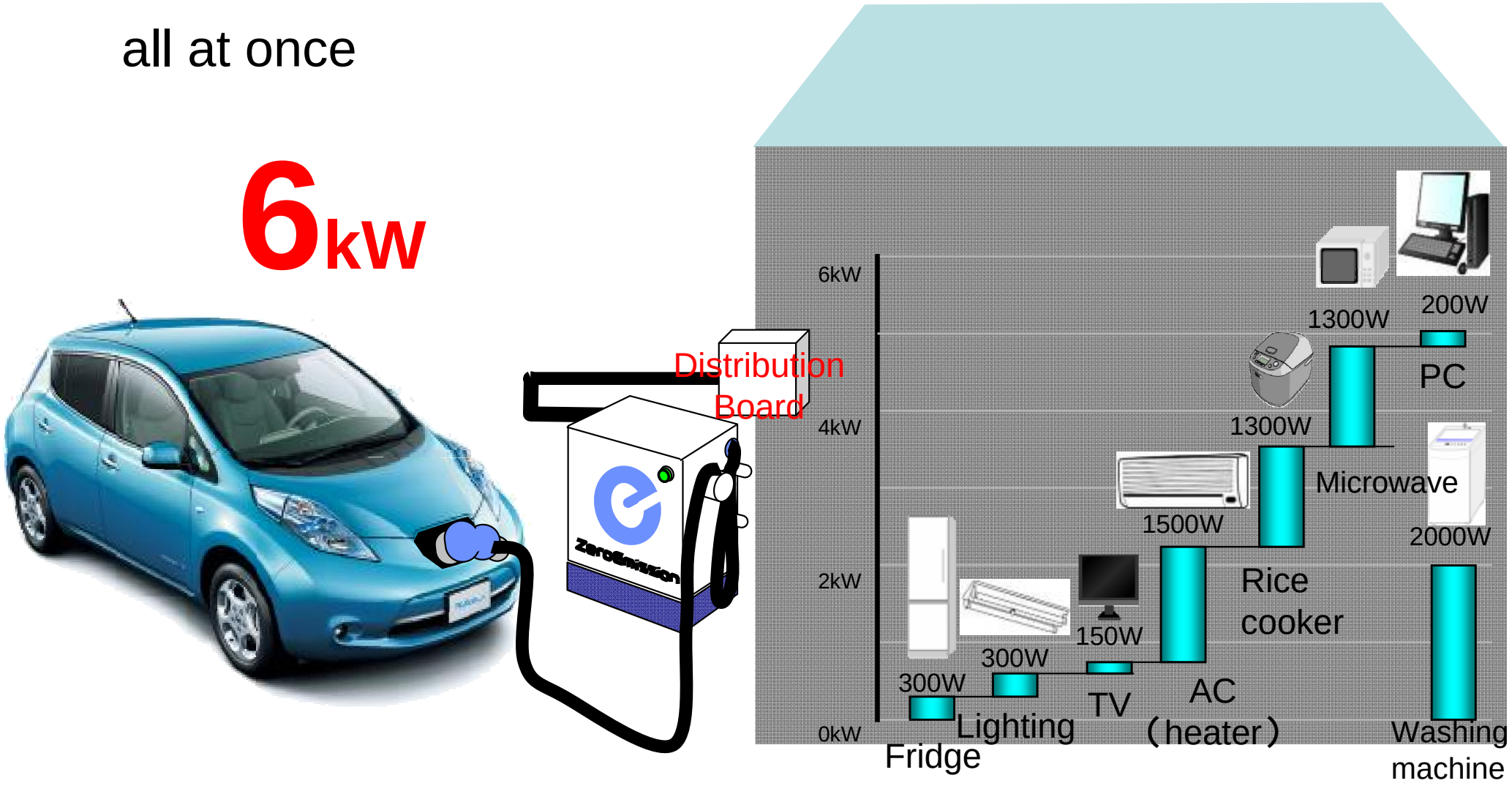
24 kWh

=

Average electricity consumption at an average Japanese home: 10~12 kWh/day

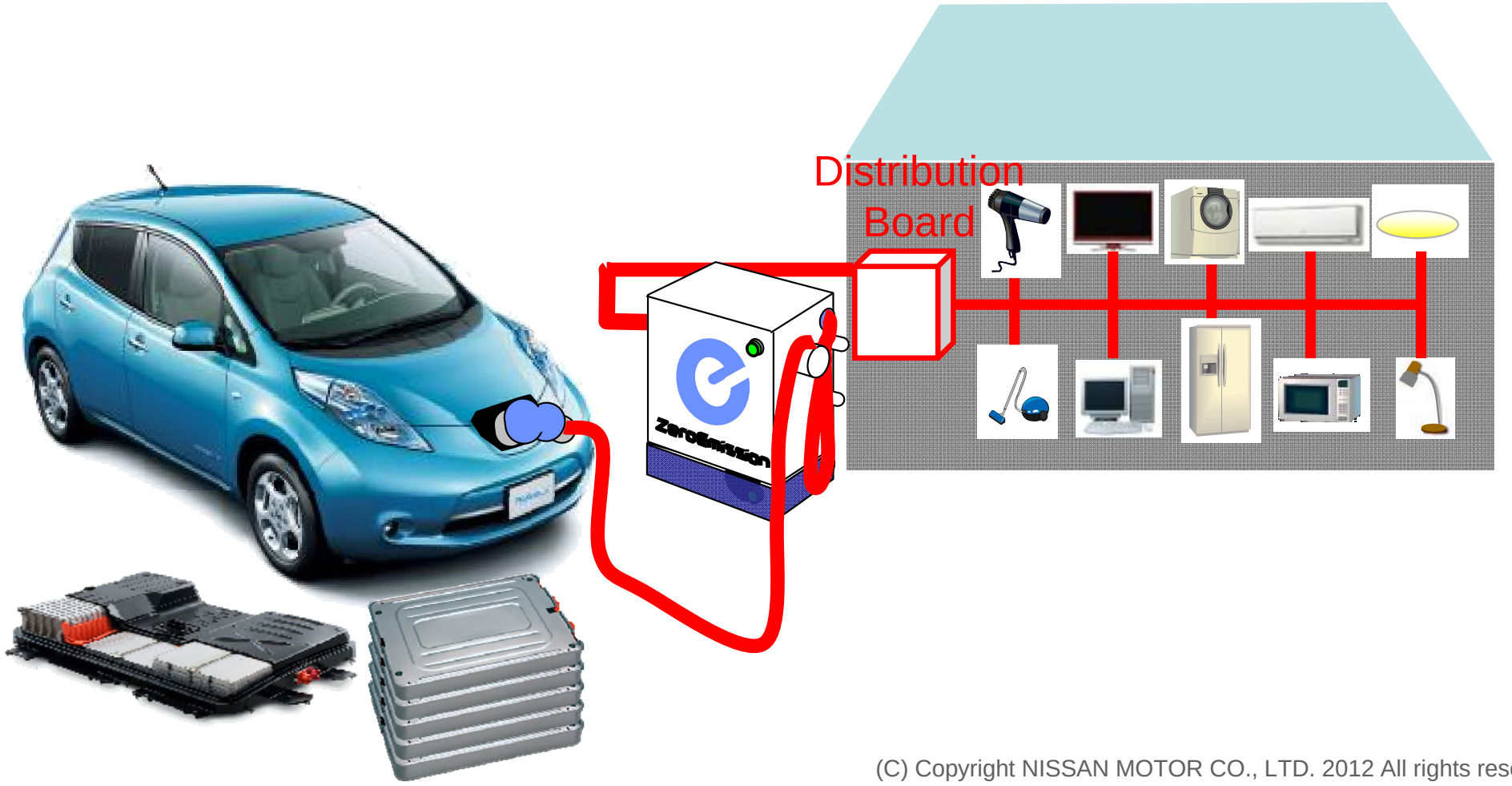
Characteristics of “LEAF to Home”
②: High Output Power

- Power output: 6kW: Main home appliances can be used all at once



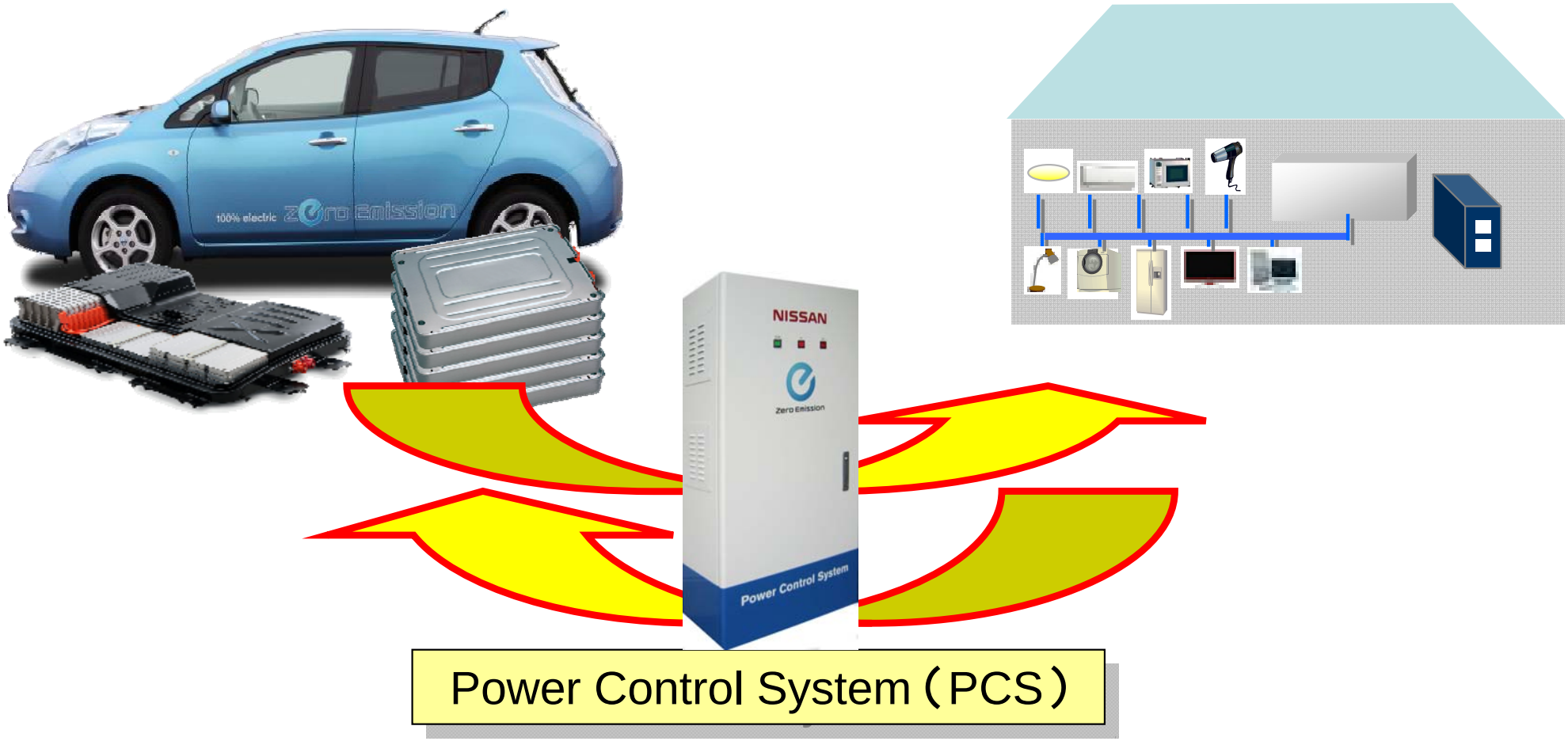
Characteristics of “LEAF to Home”
③: Simple & easy = One-stop System

- Just connecting Nissan LEAF to PCS : Directly supply electricity to all 100V/200V outlets at home through distribution board



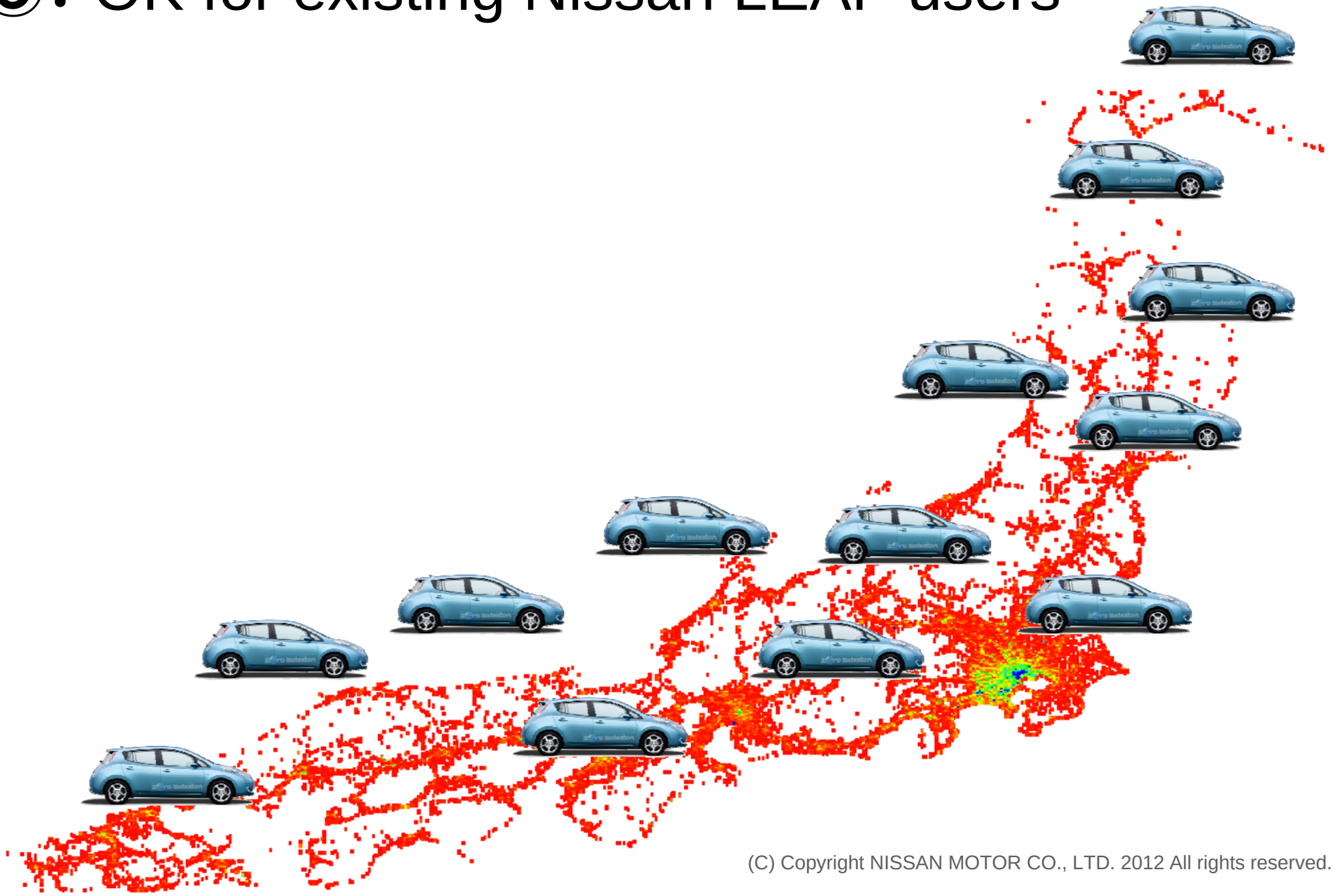
Characteristics of “LEAF to Home” ④：Both charging & discharging

- Possible not only to supply electricity from Nissan LEAF to homes but also to charge Nissan LEAF with PCS



Power Control System（PCS）

Characteristics of “LEAF to Home”
⑤：OK for existing Nissan LEAF users



“EV Power Station” by Nichicon

- Effective customer cost after government incentive
  - approx. 330K yen incl. standard installation cost
- Launch in summer 2012 in Japan