

PV for Home Energy Solution



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Residential PV system trends in Japan



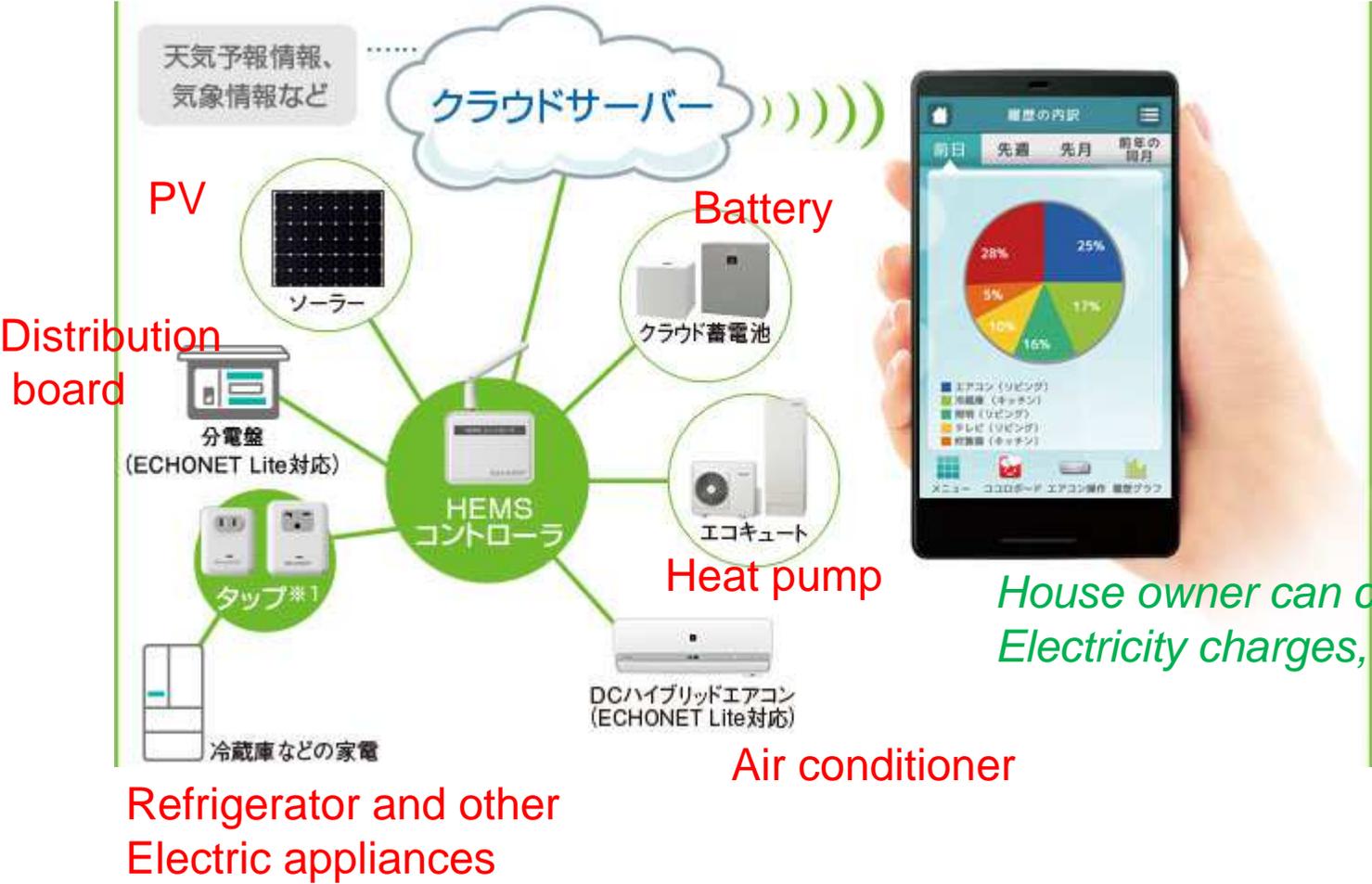
PV system providers offer some options for home energy solution

- PV + highly efficient heat pump
- PV + batteries (using subsidy for batteries)
- PV + fuel cells or gas co-generation
- PV +AC/DC-air conditioner (launched by Sharp in November 2015)

Home energy solution proposed by Sharp



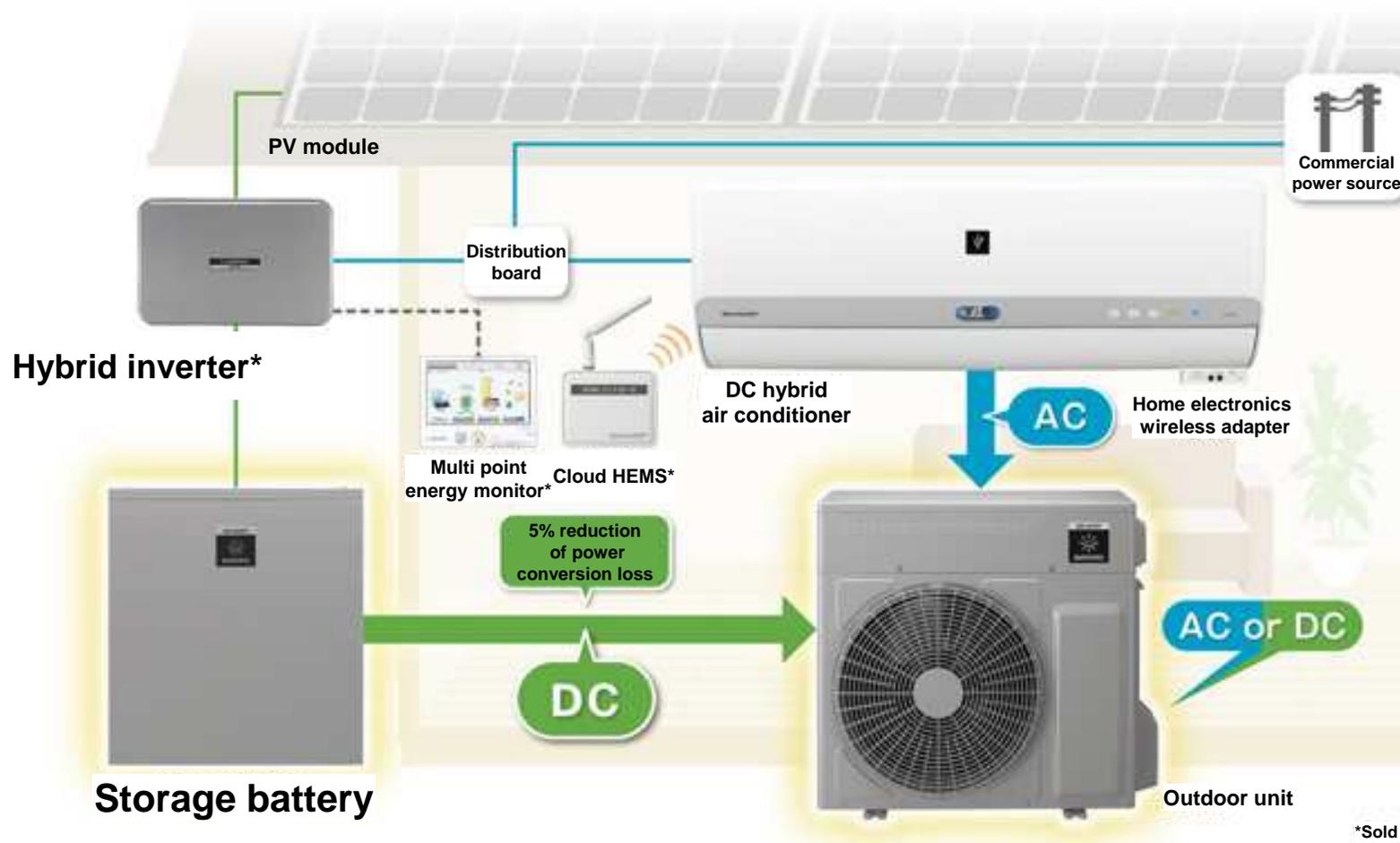
Cloud server: weather, insolation, etc.



House owner can check Electricity charges, savings, etc.

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PV and AC air conditioner + batteries + HEMS



Target sales : 300 units / month
240,000 JPY(1,950 Euro) can be annually saved
EPT: depending on conditions

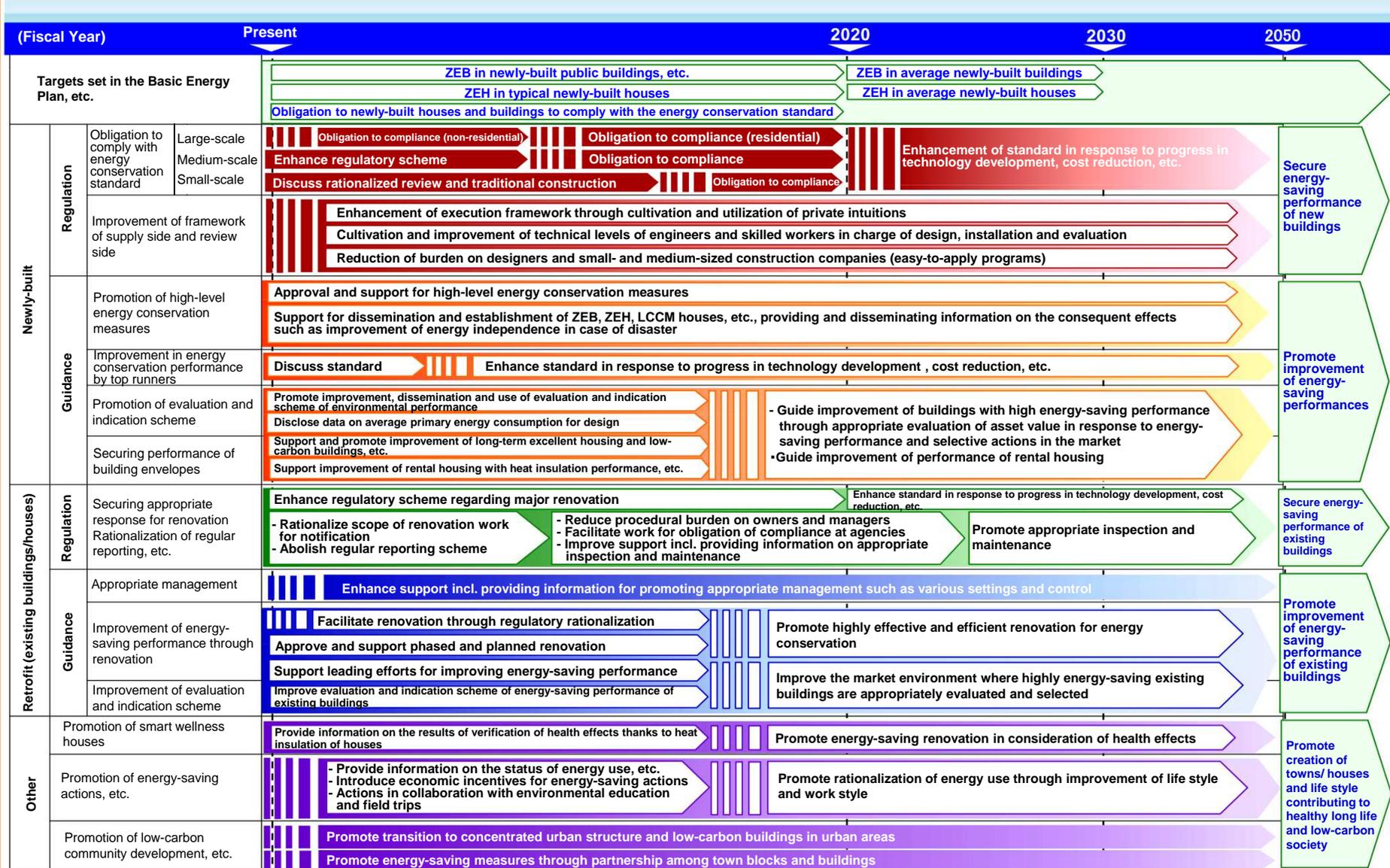
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FIT for <10 kW PV system



| Fiscal Year | FY 2015 | | FY 2016 | |
|--|-------------------------------|---|--------------------------------|---|
| Condition for output curtailment | | Required to equip a device to respond to output curtailment | | Required to equip a device to respond to output curtailment |
| FIT for PV | 33 Yen/kWh (29.2 cent/kWh) | 35 Yen/kWh (30.9 cent/kWh) | 31 Yen/kWh) (27.4 cent/kWh) | 33 Yen/kWh (29.2 cent/kWh) |
| FIT for PV + α (batteries , fuel cells, co-generator | 27 Yen/kWh (23.9 cent/kWh) | 29 Yen/kWh (25.6 cents/kWh) | 25 Yen/kWh (22.1 cent/kWh) | 27 Yen/kWh (23.9 cent/kWh) |

Roadmap for energy efficiency for buildings



Source: Ministry of Land, Infrastructure and Transport



***Thank you for your kind
attention !***

感谢您的关注

끝까지 경청해 주셔서 감사합니다

ご清聴ありがとうございました

Acknowledgement for the support of PVPS activities



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