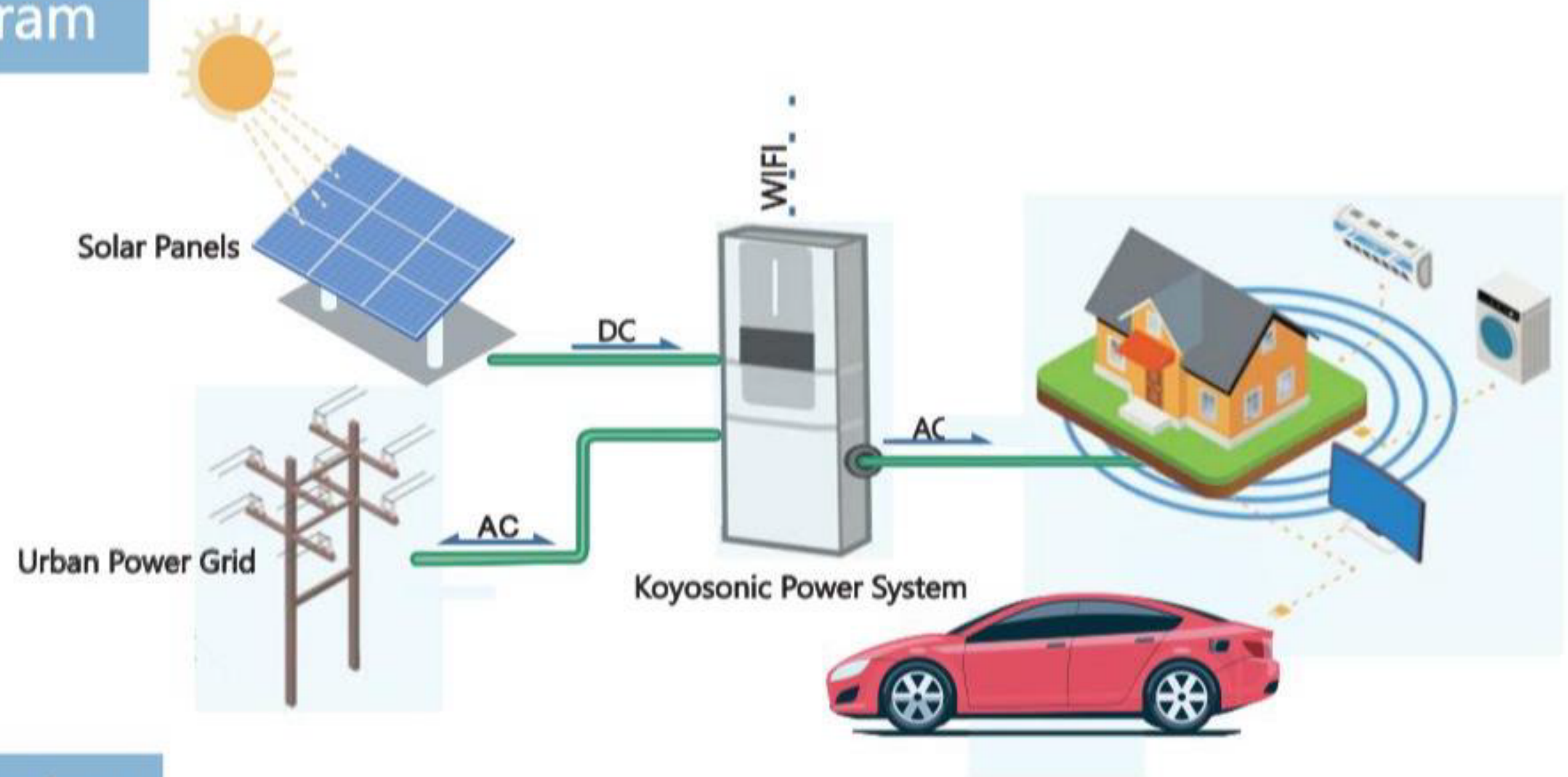


LiFePO₄ PowerWall Energy Storage Batteries

Power System Diagram



Many Matchable Inverters

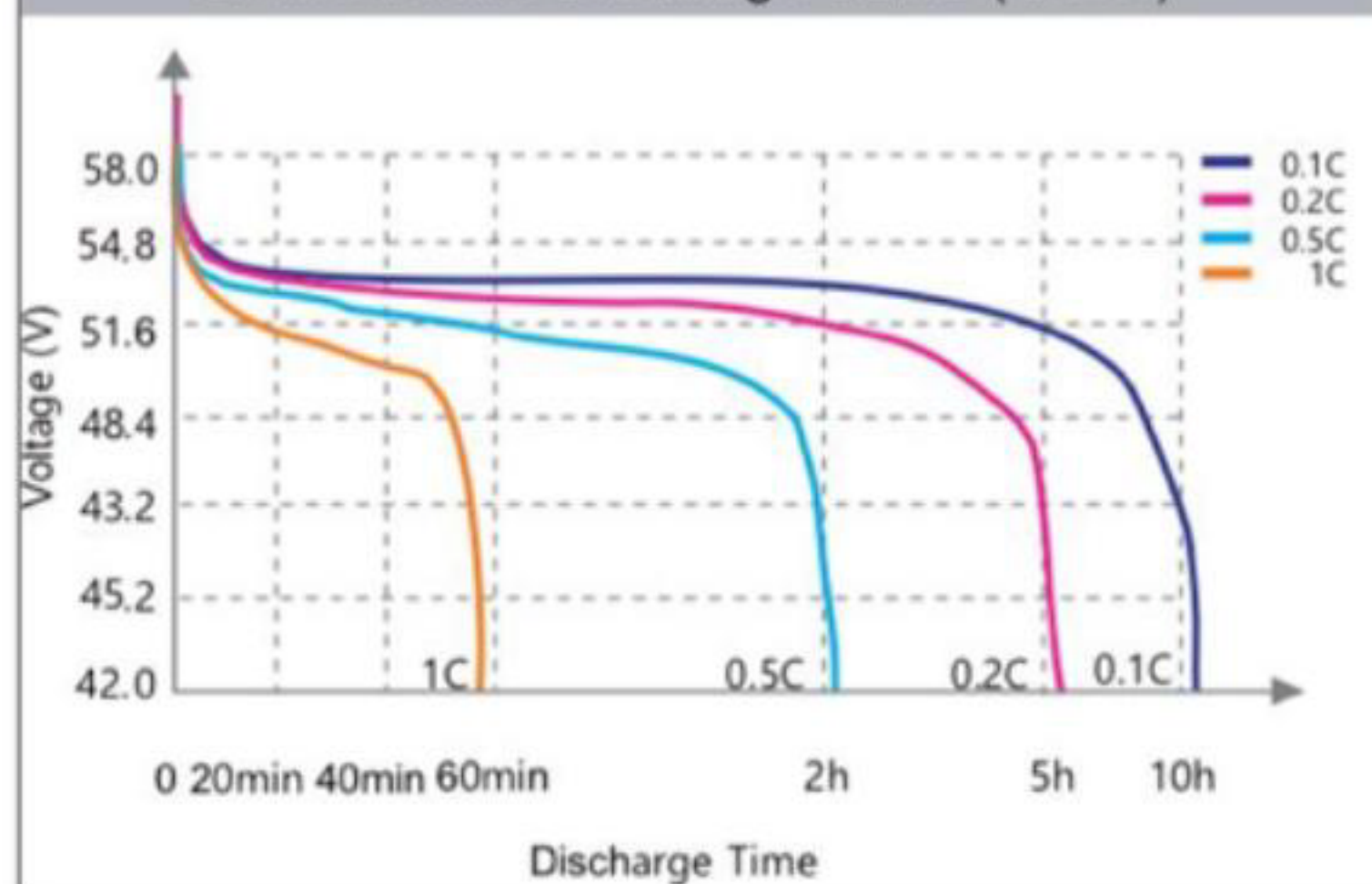
Koyosonic Powerwall batteries can support many communication ports and docking stations in inverters from different suppliers as follows. We can also do adjustment as wanted as per the inverter brands or protocols from inverter suppliers.



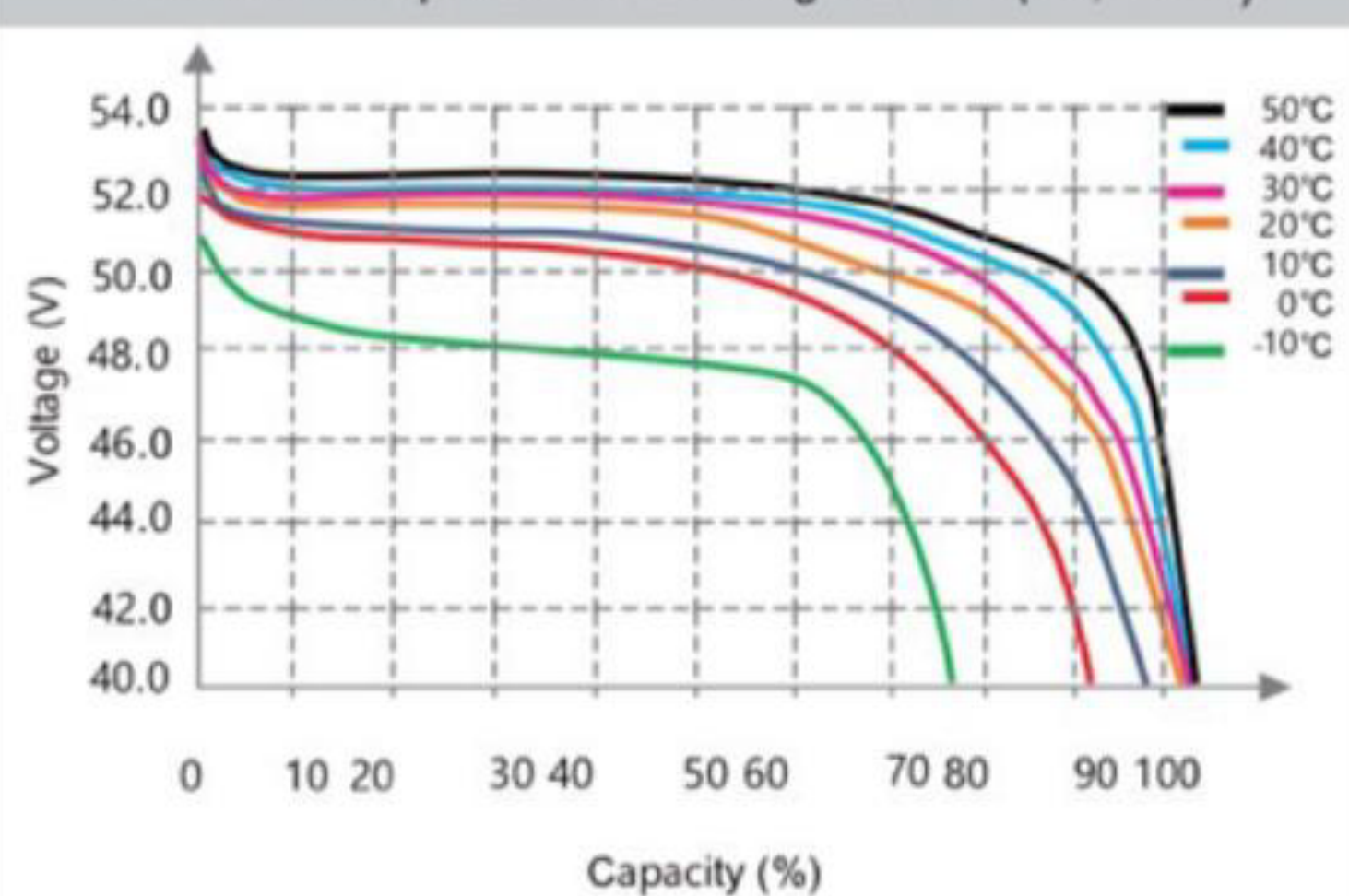
LiFePO₄ PowerWall Energy Storage Batteries

Technical Characteristics

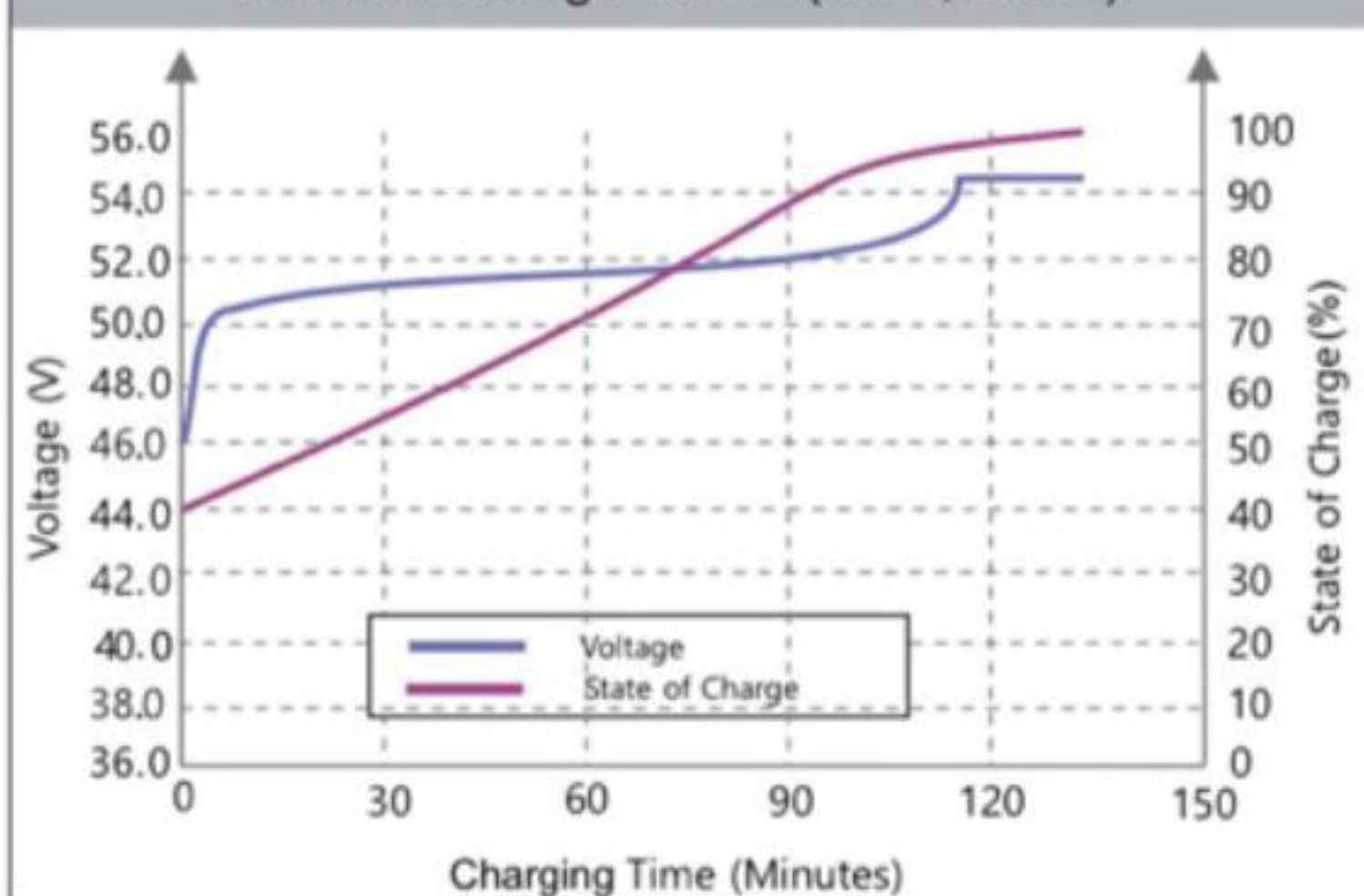
Different Rate Discharge Curve (25°C)



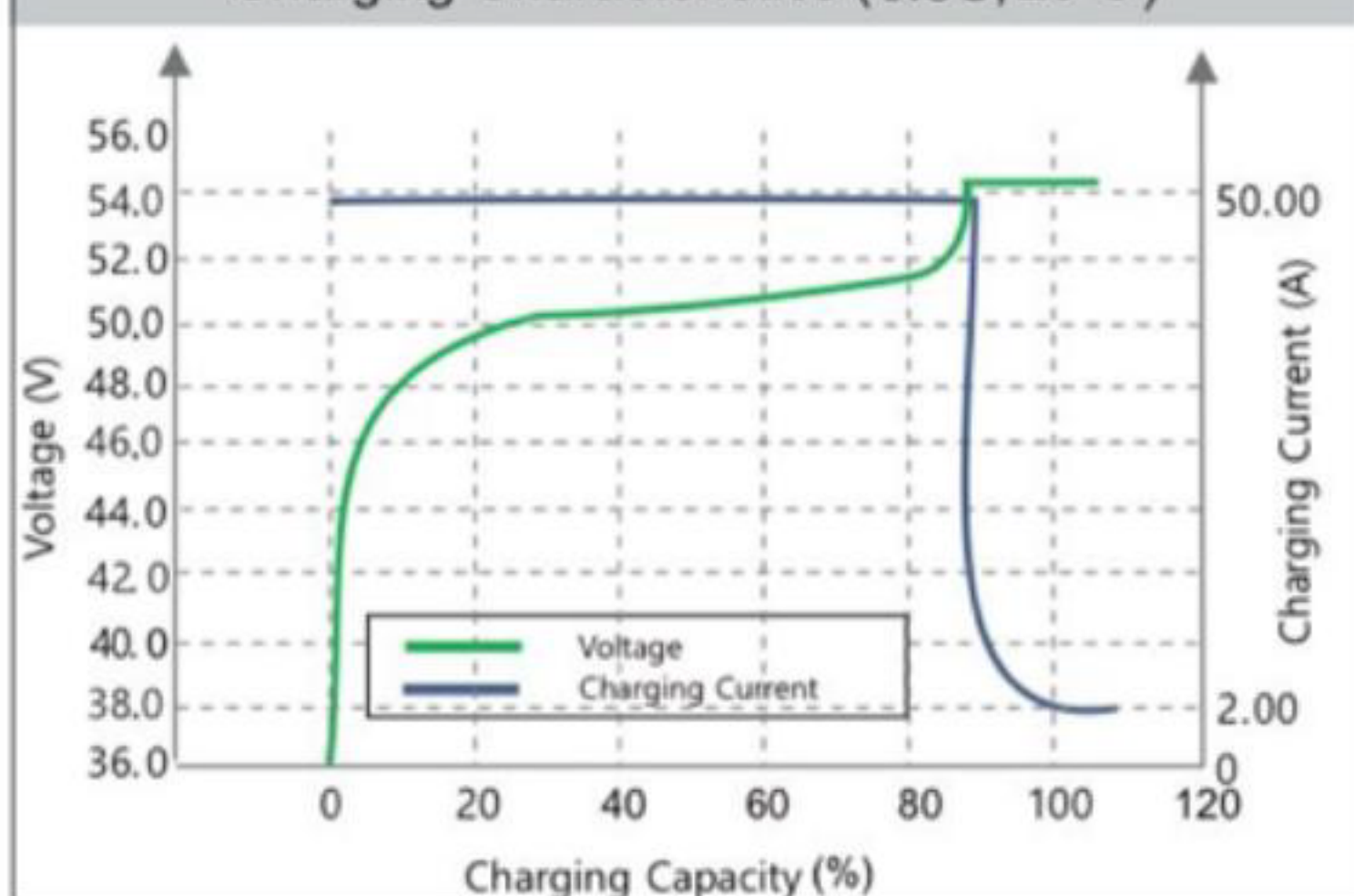
Different Temperature Discharge Curve (1C, 25°C)



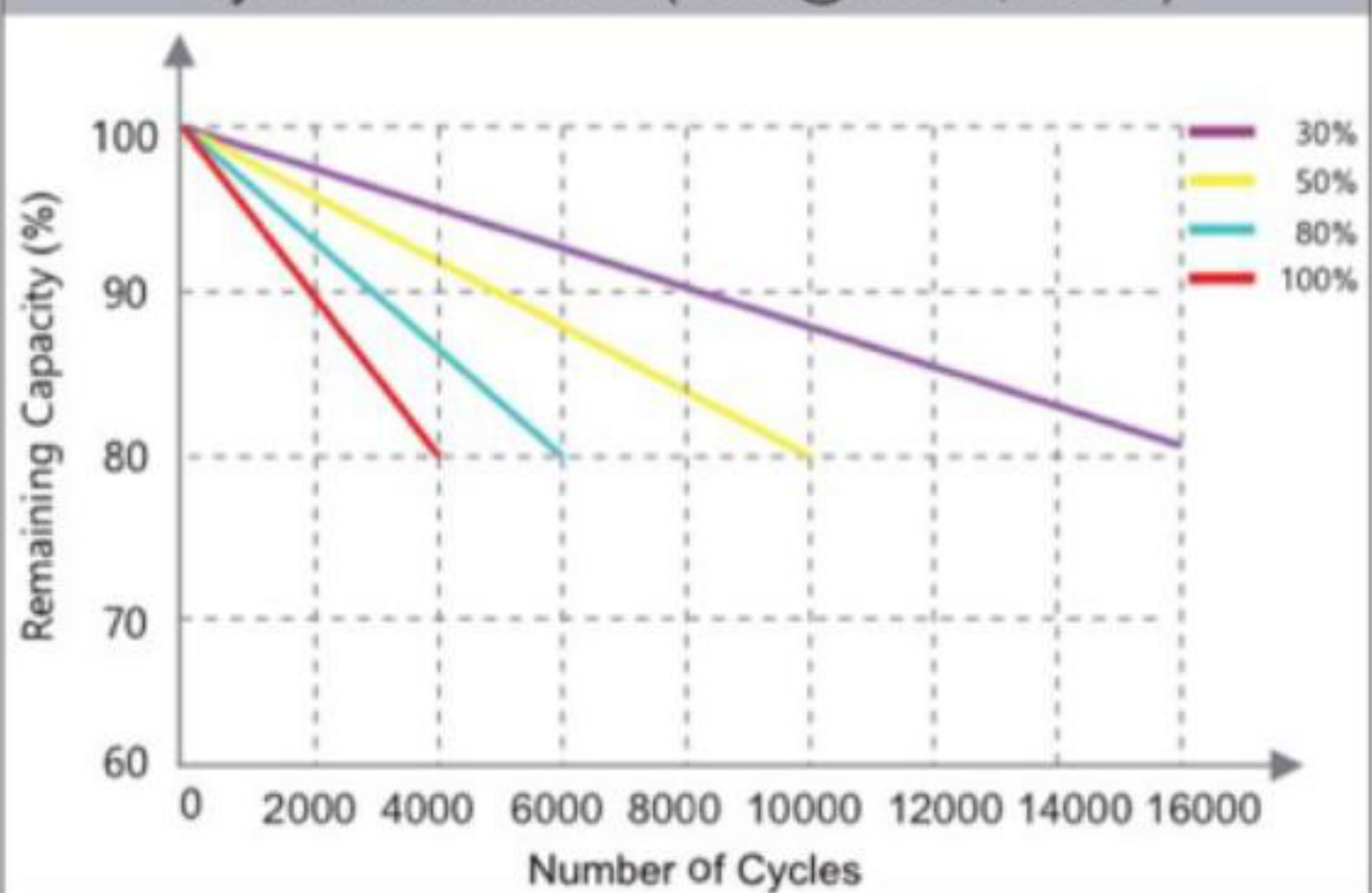
State of Charge Curve (0.2C, 25°C)



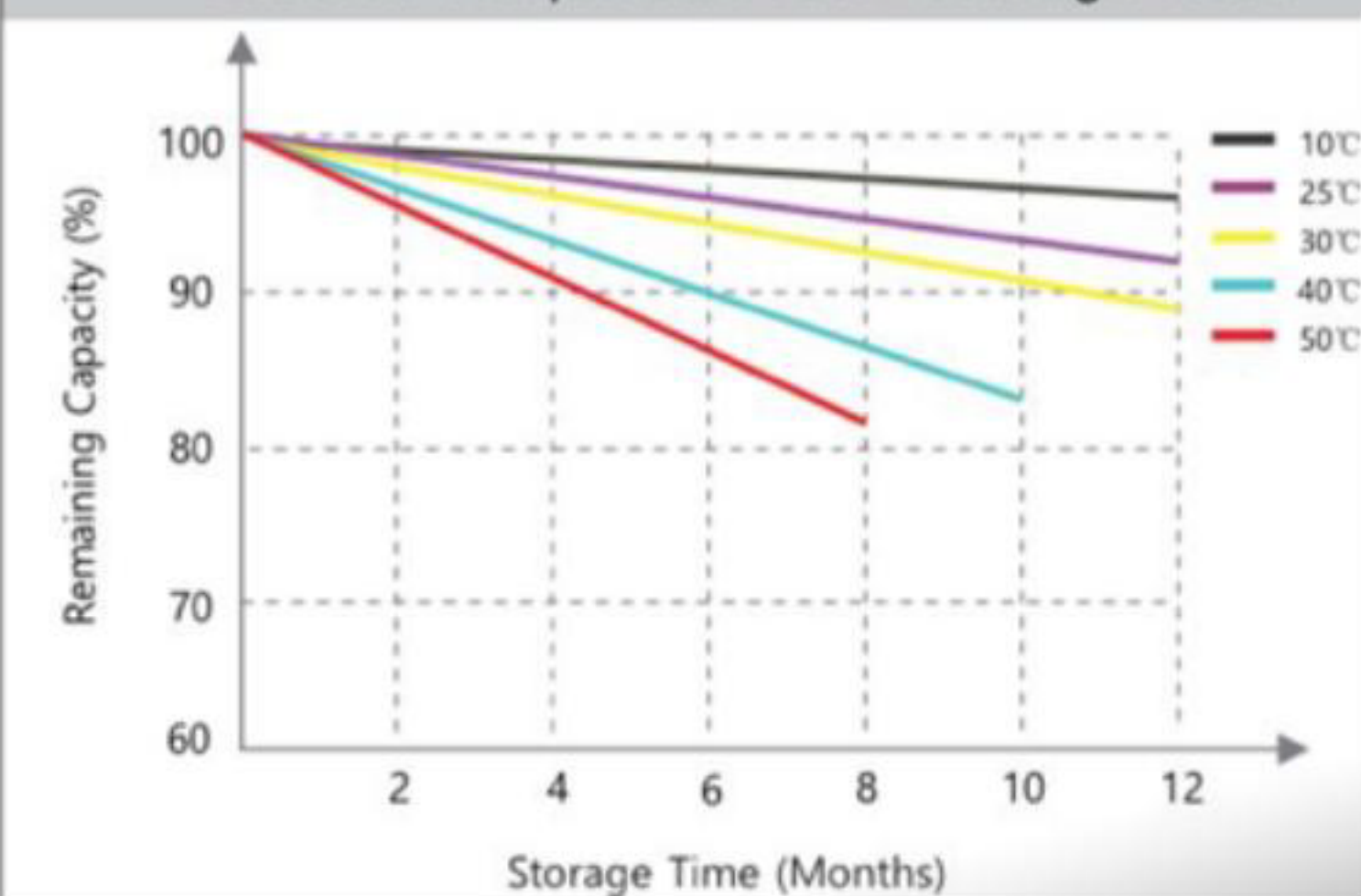
Charging Characteristics (0.5C, 25°C)



Cycle Life vs DOD (D/C @ 0.5C , 25 °C)



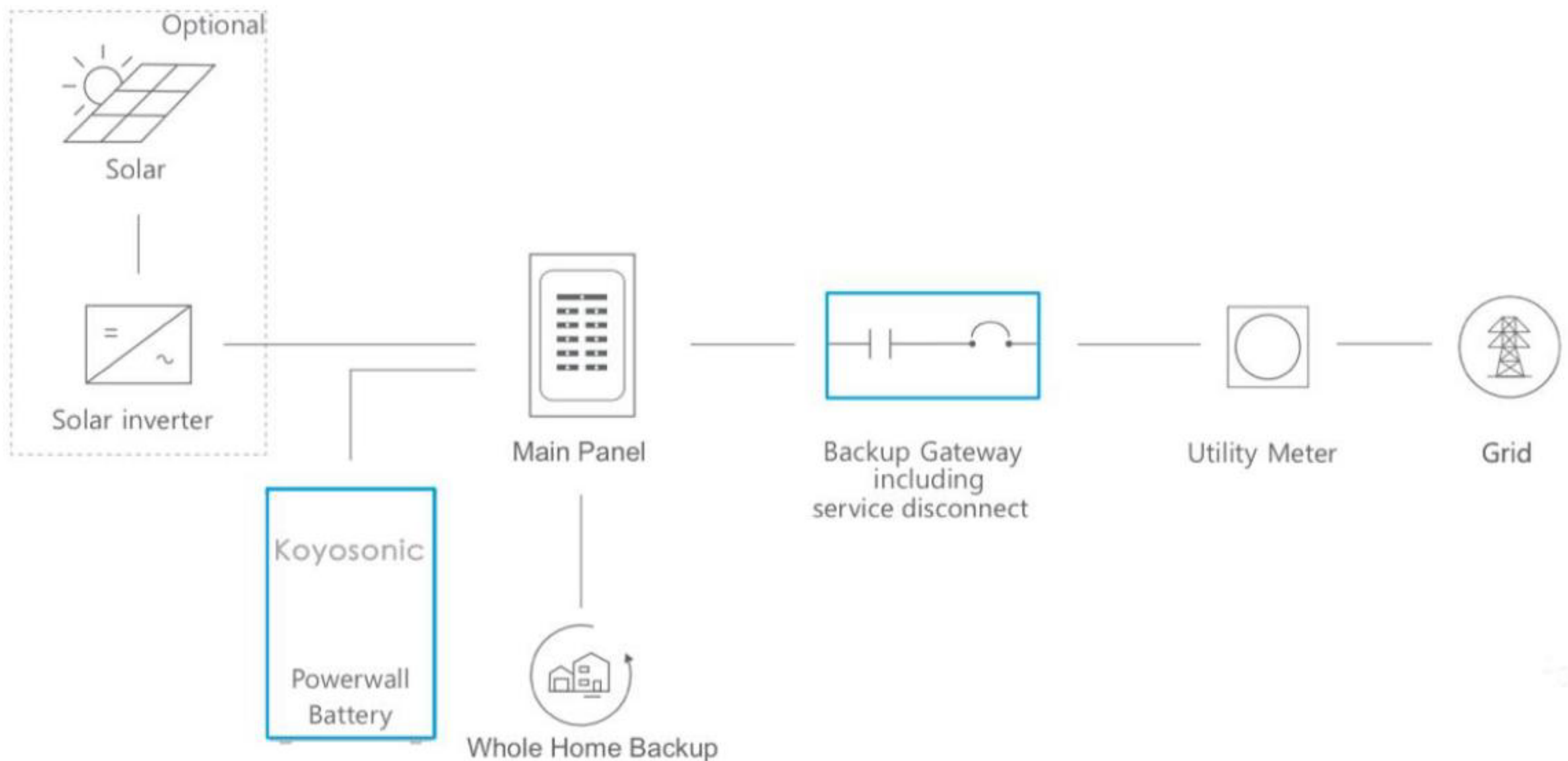
Different Temperature Self Discharge Curve



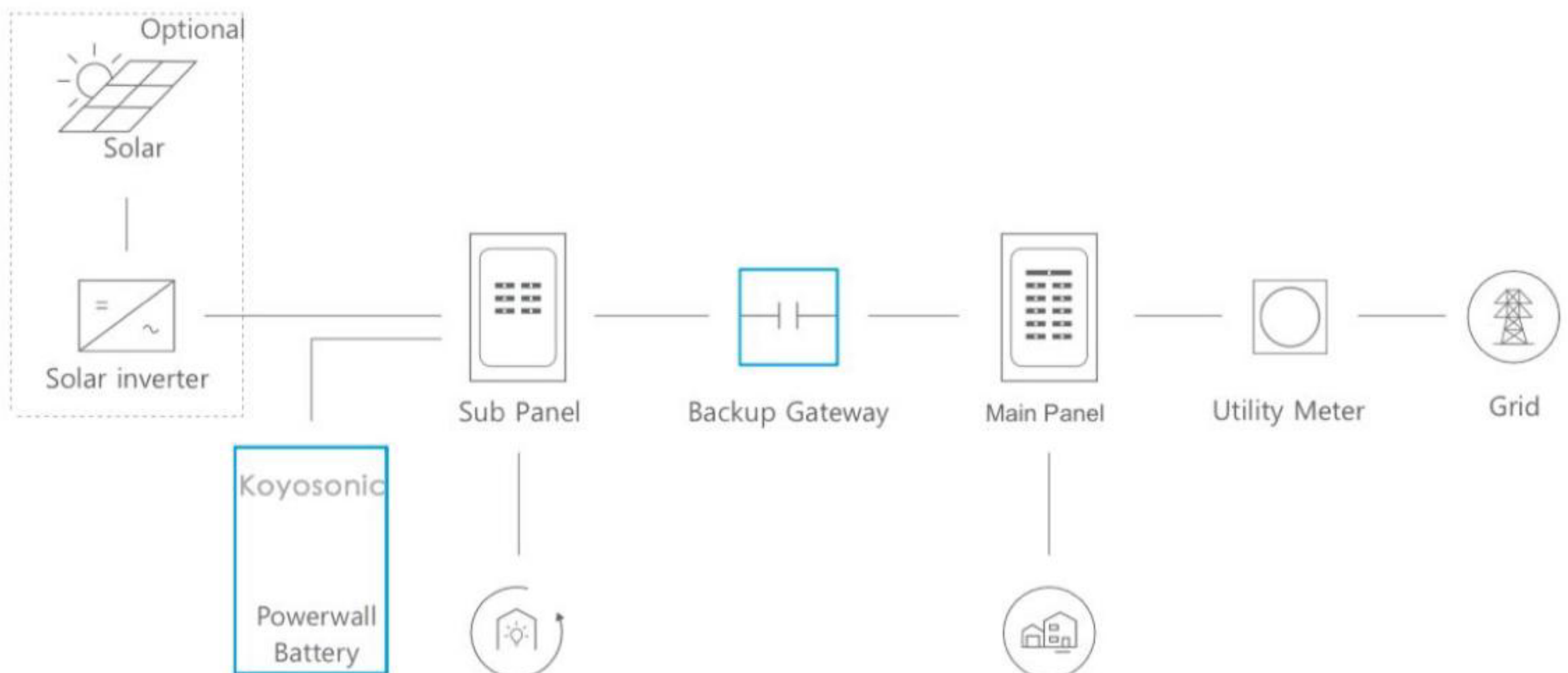
LiFePO₄ PowerWall Energy Storage Batteries

Typical System Layouts

WHOLE HOME BACKUP



PARTIAL HOME BACKUP



LiFePO₄ PowerWall Energy Storage Batteries

Features and Advantages



High cycle life

6000 cycles @80% DoD for effectively lower total of ownership cost



Built in circuit protection

Battery Management System (BMS) is incorporated against abuse.



Quickly recharge

Save time and increase productivity with less down time owing to superior charge/discharge efficiency.



Light weight

A lithium battery can provide more Wh/Kg and it is just 1/3 of its equivalent VRLA-AGM battery in weight.



Longer service life

Maintenance-free batteries with stable chemistry.



Better storage

Up to 6 months owing to its extremely low self discharge (LSD) rate and no risk of sulphation.



Extreme heat tolerance

Suitable for use in a wider range of applications where ambient temperature is unusually high: up to +60°C.



CAUTIONS:

- Do NOT short circuit, reverse polarity, crush or disassemble.
- Do NOT heat or incinerate.
- Do NOT immerse in any liquid.
- Store at 30~50% SOC. Recharging every 3 months is recommended. It should be stored in a clean, cool, dry and well-ventilated place.

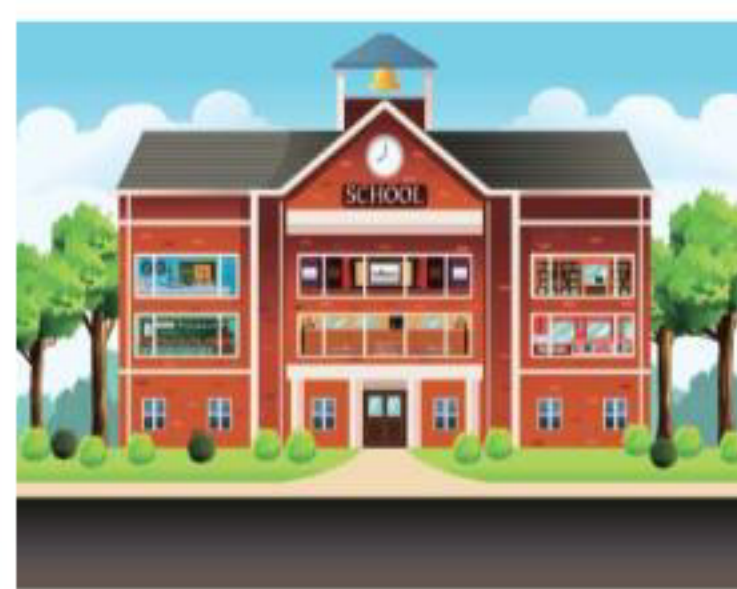
Main Application Sites



House



Small Shop



School

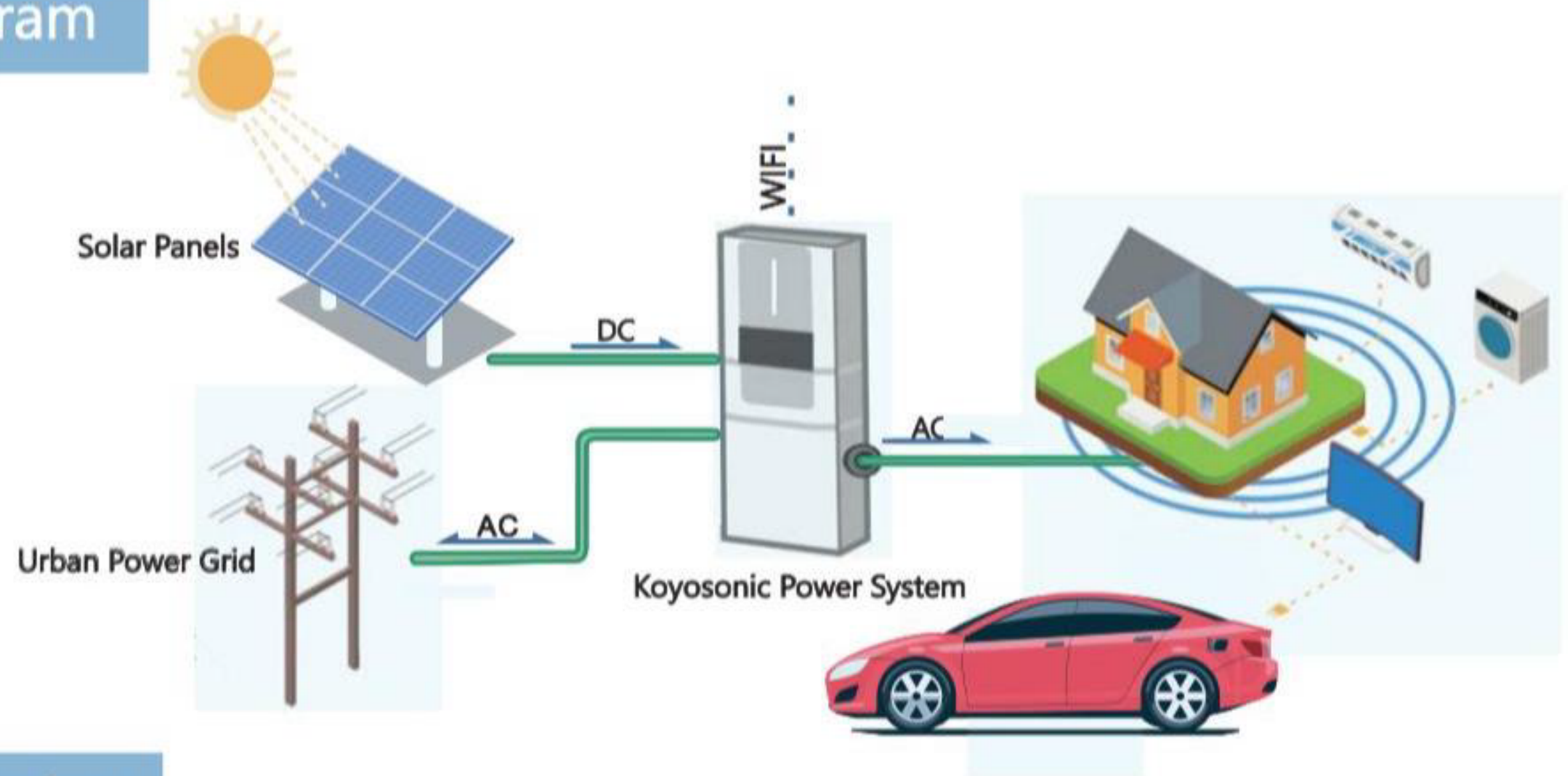


Hospital



LiFePO₄ PowerWall Energy Storage Batteries

Power System Diagram



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