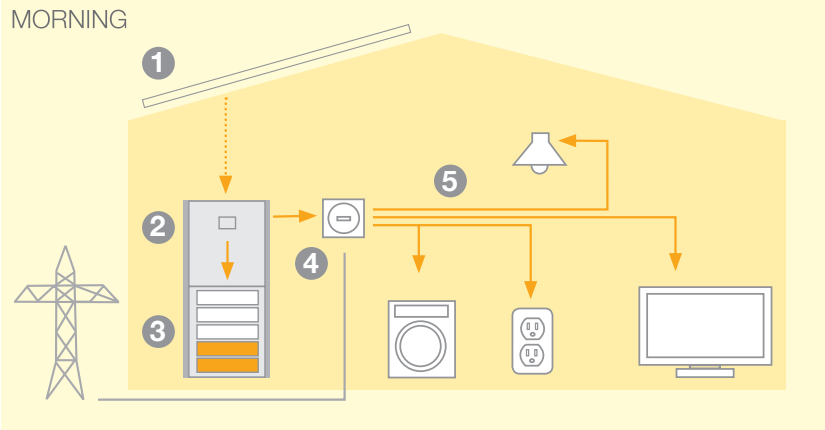
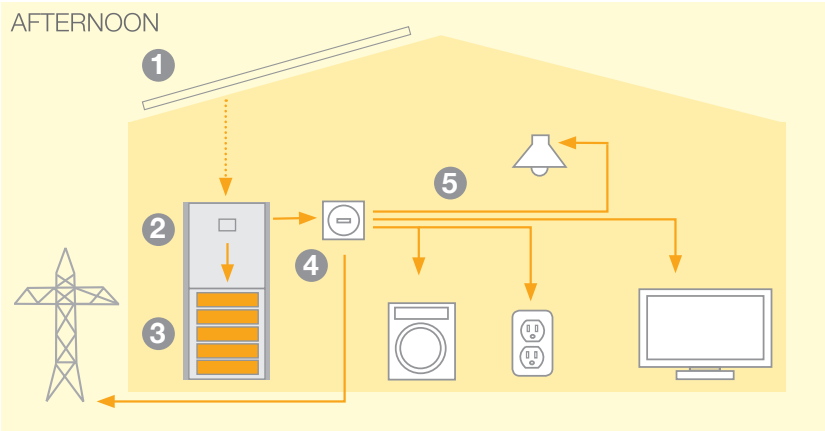


# POWERSTATION 247 FUNCTIONALITY

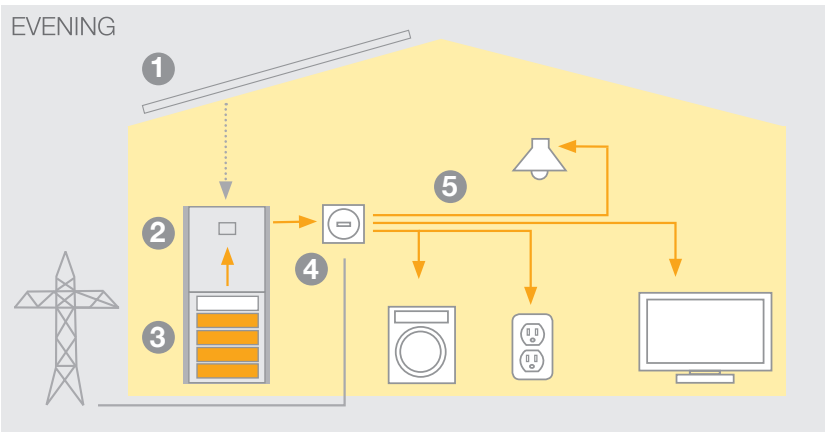


- 1 PV GENERATOR
- 2 POWERSTATION 247
- 3 INTEGRATED BATTERY BANK
- 4 DISTRIBUTION/ ELECTRICITY METER
- 5 ELECTRICAL LOADS

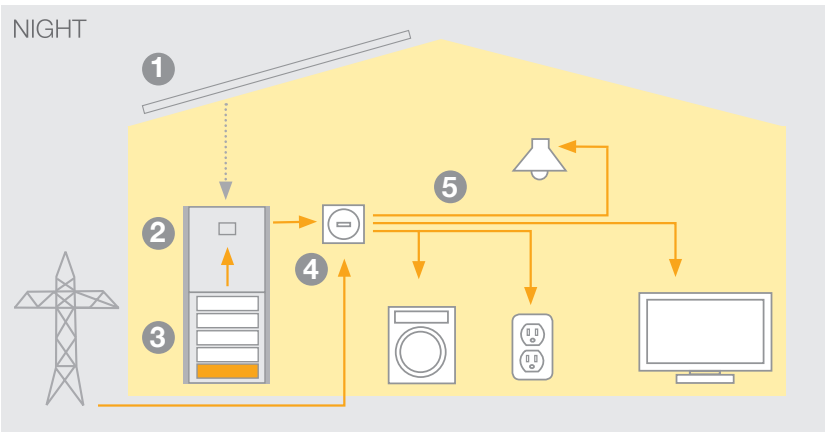
PV generated energy can be directly used and optimized to your own consumption.



After charging the battery bank, the system provides energy for your own consumption and if your PV system has generated overcapacity the electricity is fed into the public grid.



In the evening or in case of grid failure the system smoothly switches to battery energy.



During the night the battery maintains 15%\* of its energy for emergency power outages. If the battery capacity is insufficient and energy is needed than the electricity can be obtained from the grid.

\*The consumer can choose how big the emergency power capacity of the battery should be.

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