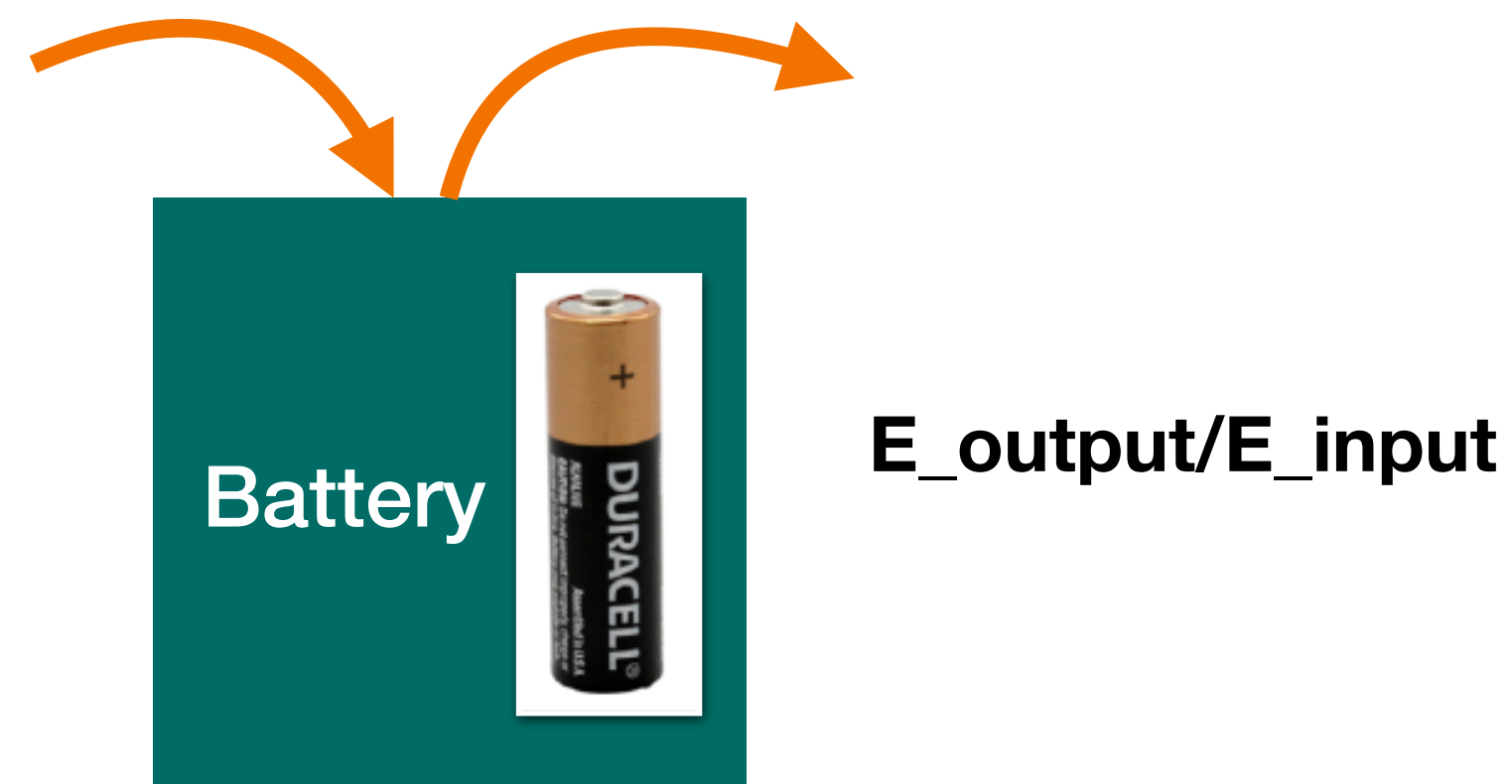


# Solar Energy Harvesting

Using **Battery** to store those energy

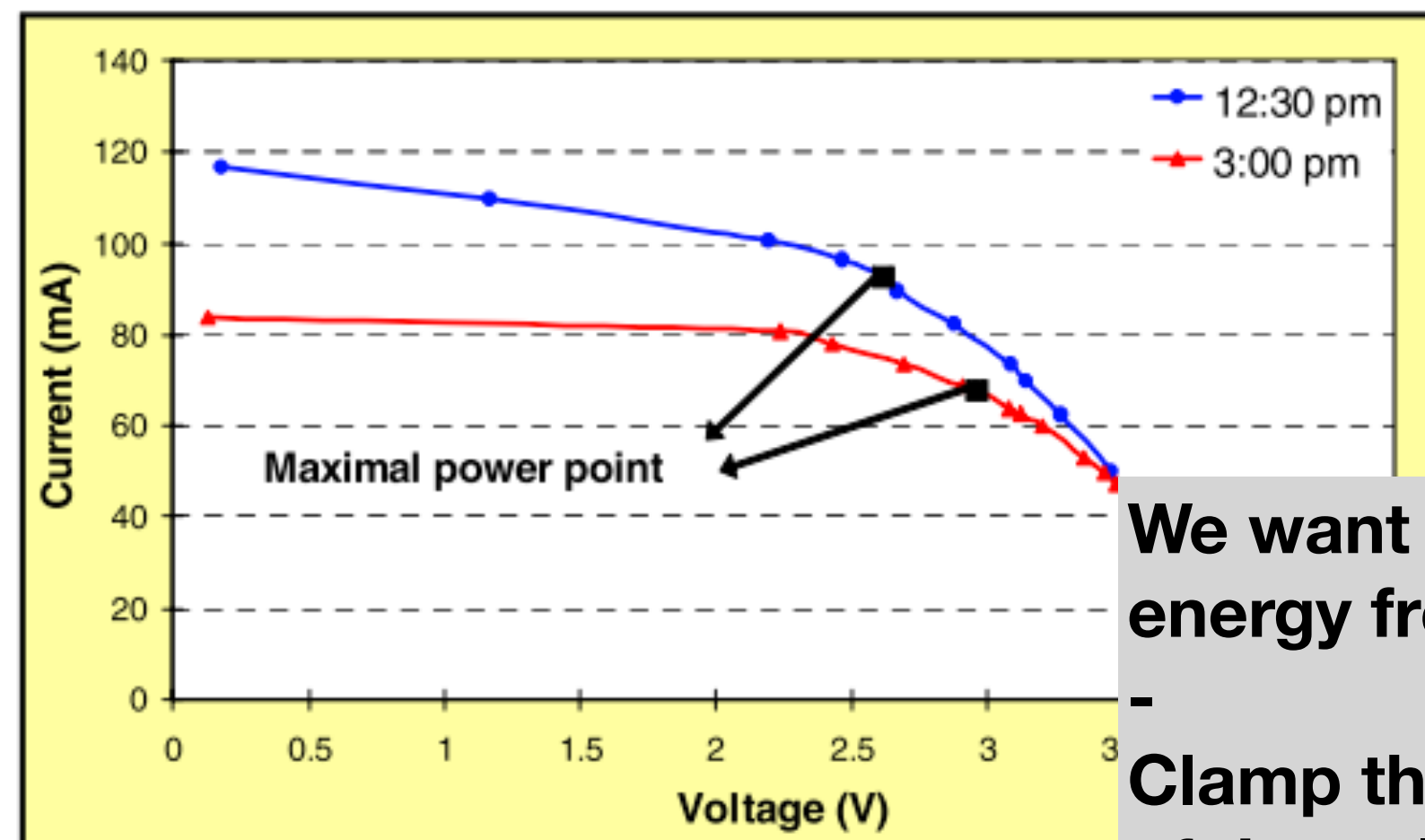
- Other considerations:
  - Operating temperature: battery self-discharge rate doubles with every 10°C increase
  - Energy from solar panel is limited: Round trip efficiency is crucial



# Solar Energy Harvesting

## The “energy router” - Harvesting Circuit

- It has two jobs:
  - ① Draw energy from solar panel and charge the battery



We want **draw the most** energy from the solar panel

- Clamp the output terminal of the solar panel to **the max power point**

- It is approximately **a fixed voltage**

