



**Solutions for own  
consumption and net  
metering in the industry**



## Solutions for own consumption and net metering in the industry

- **Cost of Energy (LCOE)**

Cost (€/kWh) of the electrical energy produced, bearing in mind the investment, the operating costs, maintenance and financing within a certain time frame.



$$\text{LCOE} = \frac{\sum_{t=1}^n \frac{I_t + M_t}{(1+r)^t}}{\sum_{t=1}^n \frac{E_t}{(1+r)^t}}$$

### LCOE Levelized Cost of Electricity

I= Investment  
M=Maintenance and Operation Cost  
E= Generated Energy  
r= Discount rate

- **Grid Parity**

Coincidence between the costs of the electrical energy supplied according to the traditional model and the cost of electrical energy self-generated (LCOE) with one's own sources.

- **Own-consumption**

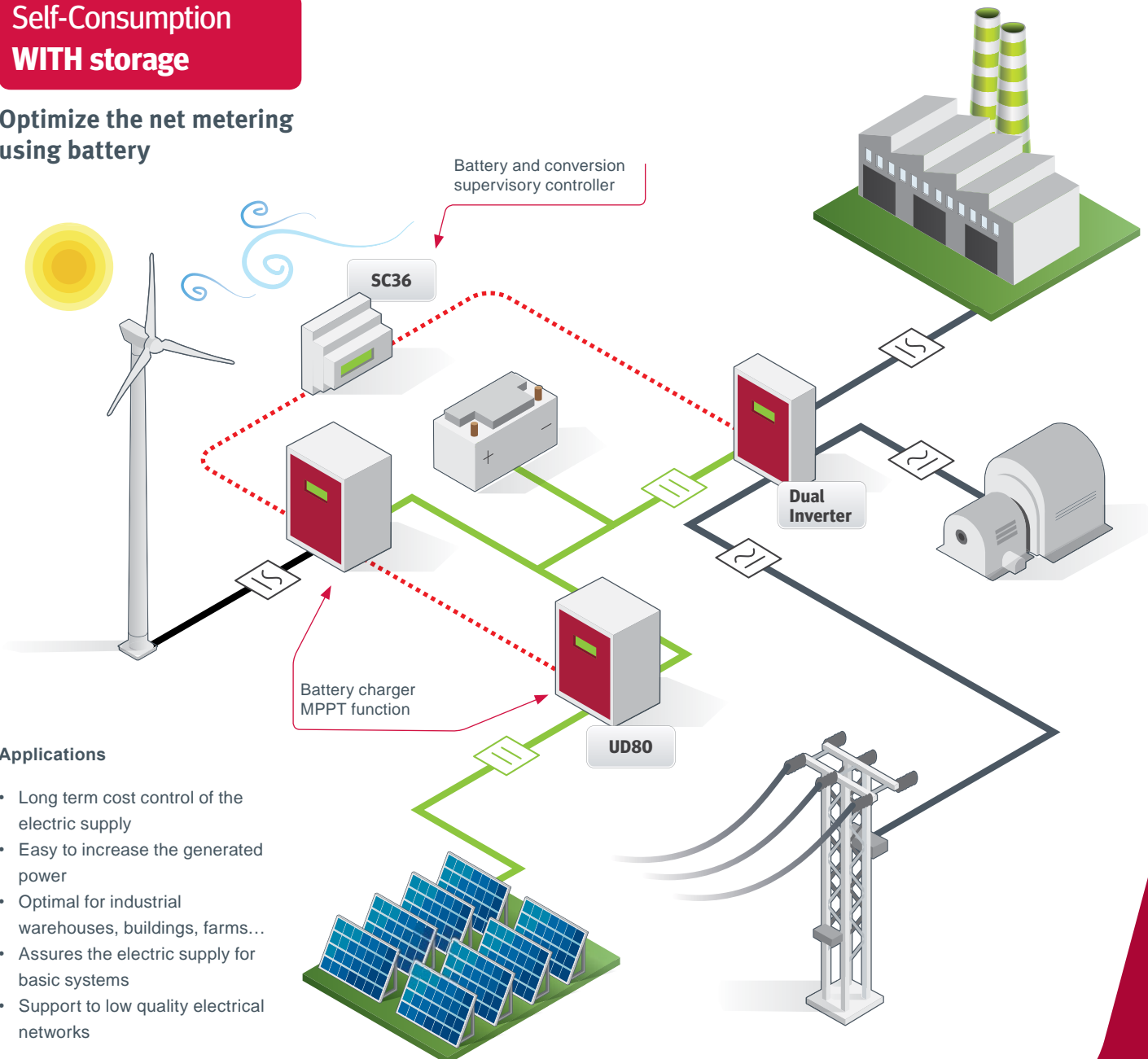
Consumption of one's own generated electrical energy and exportation of the surplus energy to the grid, or importation of all energy that might be lacking.

- **Net Metering**

The balance between the energy exported and imported in a self-generation system.

## Self-Consumption WITH storage

### Optimize the net metering using battery



#### Applications

- Long term cost control of the electric supply
- Easy to increase the generated power
- Optimal for industrial warehouses, buildings, farms...
- Assures the electric supply for basic systems
- Support to low quality electrical networks

