

# Accumulator installations of substations



**Accumulator** - a set of positive and negative electrodes disposed in the reservoir with electrolyte and intended to convert accumulated chemical energy into electrical energy.

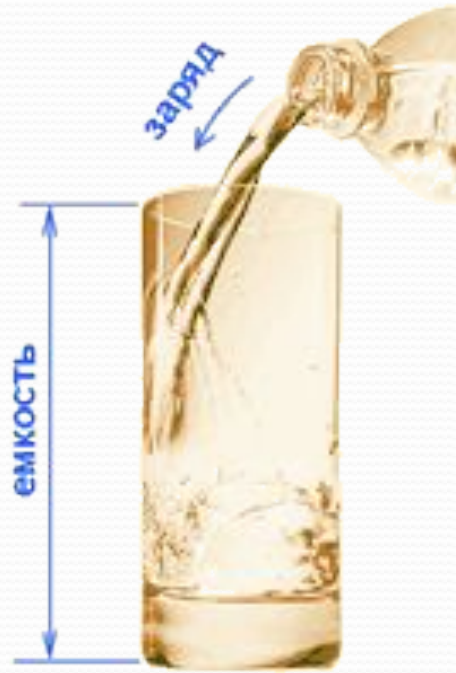


**Battery** - two or more batteries (elements) connected to each other.





**Battery capacity** - the amount of electricity (ampere \* hours), which is a fully-charged battery can give, under certain conditions.



**1 amp \* hour** - an electrical charge that passes through the cross-section for one hour in the presence of it in a current of 1 ampere.

# Battery types

- Lead-acid batteries
- Nickel-cadmium batteries
- Nickel-iron batteries
- Nickel metal hydride battery
- Nickel-zinc battery
- Silver-zinc and silver-cadmium batteries
- Nickel-hydrogen battery
- Lithium-ion batteries
- Lithium-polymer batteries