

## The future of energy storage in batteries

Unknown words: drawback, molten, moisture, withstand, evoke, intractable, meaningful, harness,

The author in this article the authors summarized the characteristics of commercial batteries and also showed some advantages and disadvantages of them. As a conclusion they said that “the NaS, Li-ion and the flow batteries are major used batteries in utility-scale energy storage”, also they exemplified the company Tesla which has used the Li-ion batteries in their electric car (Tesla Model S), home energy storage (Tesla’s Powerwall) and are seeking to reduce the cost of Li-ion batteries in 35%.

To conclude the authors showed how the actual technologies of batteries can be improved, so they showed their future prospects for batteries systems. Also they analysed the control system of battery management systems (BMS) that is the mathematical model, the cell balancing, the charging control and the fault diagnosis.

This article was really interesting for me, because it was related with the field of engineering that I am studying. I like how they explained the models of batteries and their analyses about the batteries of the future and the opportunities of the power batteries systems.

### References

Changfu Zou, et.al. “Technological developments in batteries,” *IEEE Power & Energy Society*, vol. 15, no. 5, pp.20-32, Septiembre-Octubre 2017.