



- $\text{Li}_4\text{Ti}_5\text{O}_{12}$  /  $\text{LiNbO}_3$ -coated  $\text{LiCoO}_2$
- $\text{Li}_4\text{Ti}_5\text{O}_{12}$  + LGPS / LGPS /  $\text{LiNbO}_3$ -coated  $\text{LiCoO}_2$  + LGPS
- ▲  $\text{Li}_4\text{Ti}_5\text{O}_{12}$  + LSPSCI / LSPSCI /  $\text{LiNbO}_3$ -coated  $\text{LiCoO}_2$  + LSPSCI
- Graphite + LPS / LPS | LGPS /  $\text{LiNbO}_3$ -coated  $\text{LiCoO}_2$  + LGPS

SiB1:  $\text{Na}_3\text{V}_2(\text{PO}_4)_3$  (NVP) + graphene / NVP + graphene  
 SiB2: NVP + CNT / NVP + CNT  
 SiB3: NVP + activated carbon (AC) / NVP + AC

Al-ion battery: Al / graphite

Mg battery: Mg /  $\text{V}_2\text{O}_5$

SC1: activated carbon / activated carbon  
 SC2: reduced graphene oxide  $\text{RuO}_2$  /  $\text{RuO}_2$ -polyaniline  
 SC3: activated carbon / activated carbon

LiS1: Li / S (graphene + single-walled CNT)  
 LiS2: Li / S

LiB1: graphite /  $\text{LiCoO}_2$   
 LiB2: Li /  $\text{LiFePO}_4$   
 LiB3:  $\text{Li}_4\text{Ti}_5\text{O}_{12}$  /  $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$

LiO1: Li / O<sub>2</sub> (graphene)  
 LiO2: Li / O<sub>2</sub> (carbon nanofibers)  
 LiO3: Li / O<sub>2</sub> (carbon nanotubes (CNT))