

### Zinc bromine flow battery

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(memory@dongguk.edu\*)

(Zinc-Bromine Flow Battery : ZBFB)  
가 . ZBFB

(plating)

(decomposition)

(dendrite)가

, pH

가

"100cm<sup>2</sup> flow cell "

- nafion 115(dupont, 127μm),

-TF6(SGL, 0.6 mm),

0.5M ZnBr<sub>2</sub> 200ml

17 °C, 25 °C

-PVDF

20 mA/cm<sup>2</sup>@50 cycle,

100ml/min

17 °C

(coulombic

efficiency) 1%

(voltaic efficiency)

(energy efficiency)

3%

가

가