

Supporting Information

Organic-Halide Perovskite-based photo-assisted Li-ion Battery for Photoelectrochemical Storage

Supplementary Figures

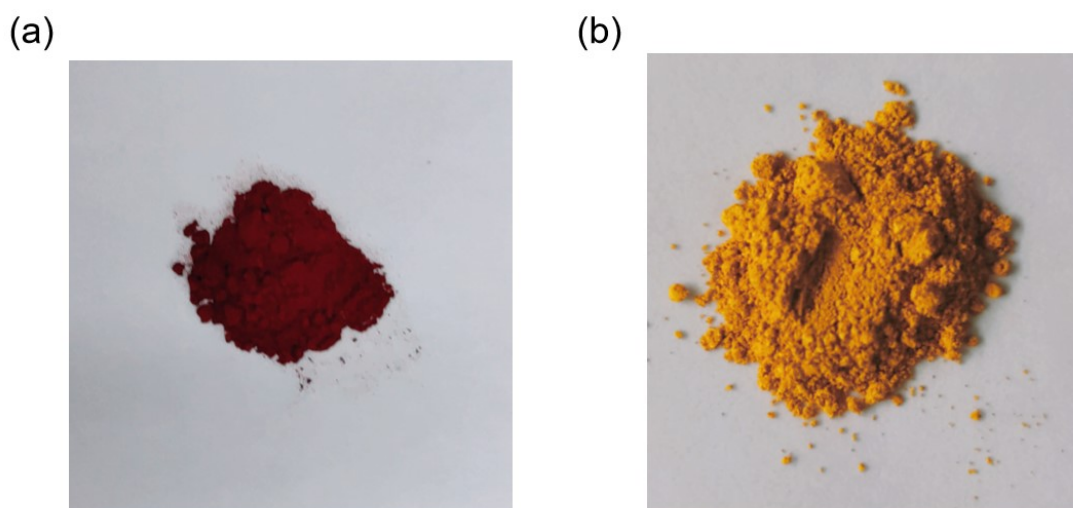


Figure S1. Optical images of (a) DAAQ and (b) DAPbI

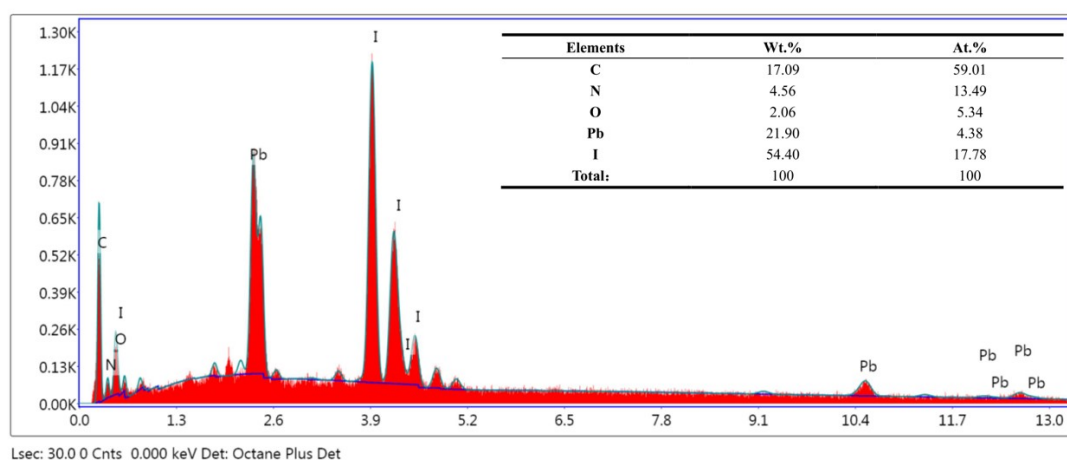


Figure S2. EDS data of DAPbI

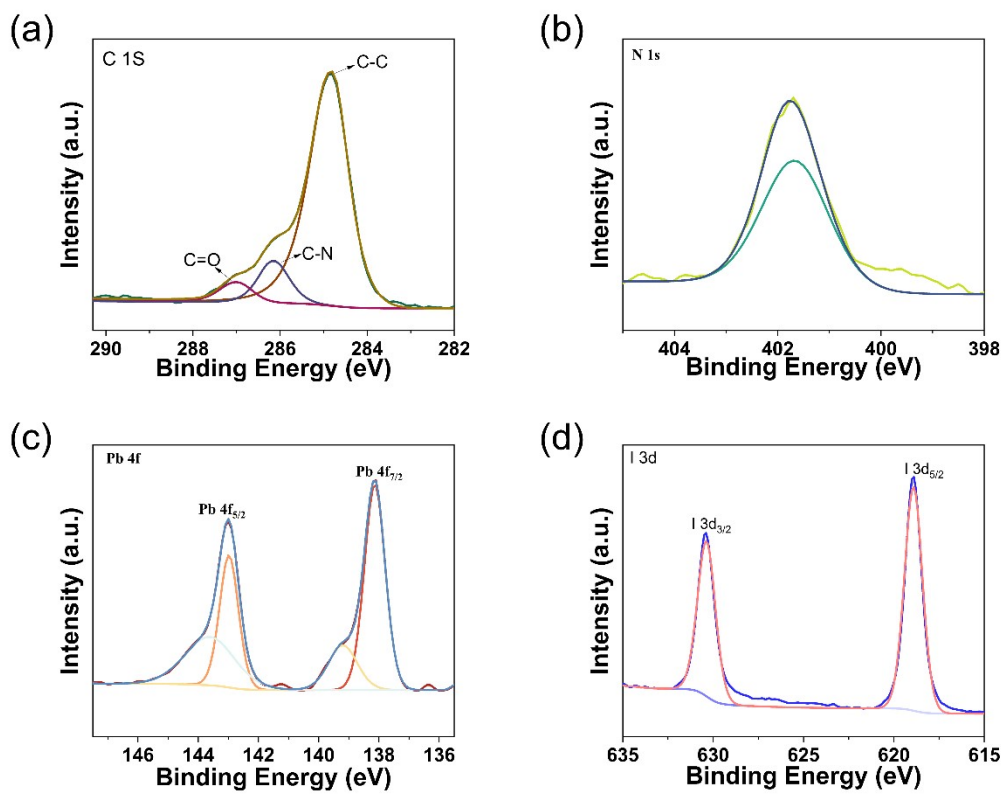


Figure S3. XPS spectra of DAPbI: (a) C 1s; (b) N 1s; (c) Pb 4f; (d) I 3d.



Figure S4. Device for photo-assisted lithium-ion battery

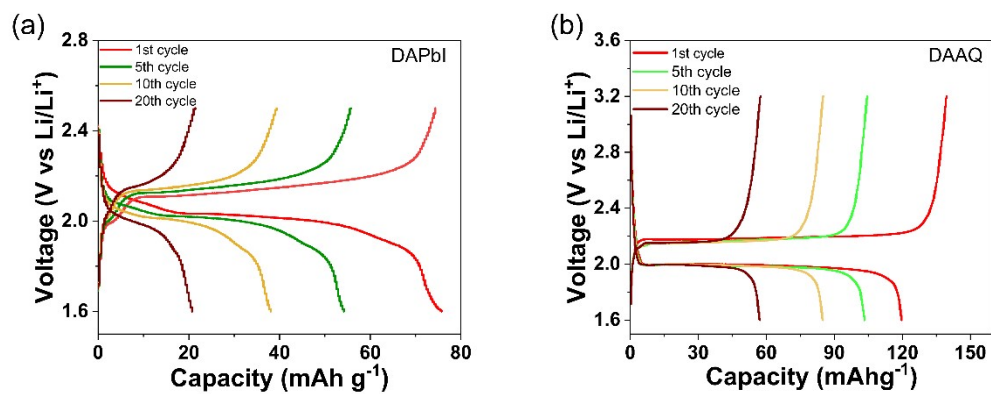


Figure S5. Charge-discharge curves of (a) DAPbI and (b) DAAQ at current density of 20 mA g⁻¹

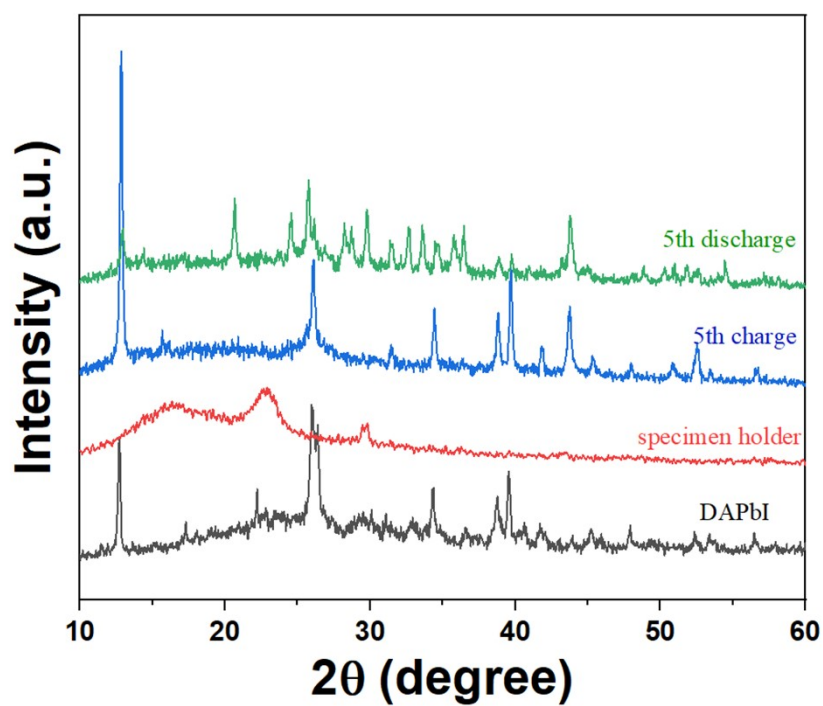


Figure S6. X-ray diffraction patterns for DAPbI after 5th cycling.

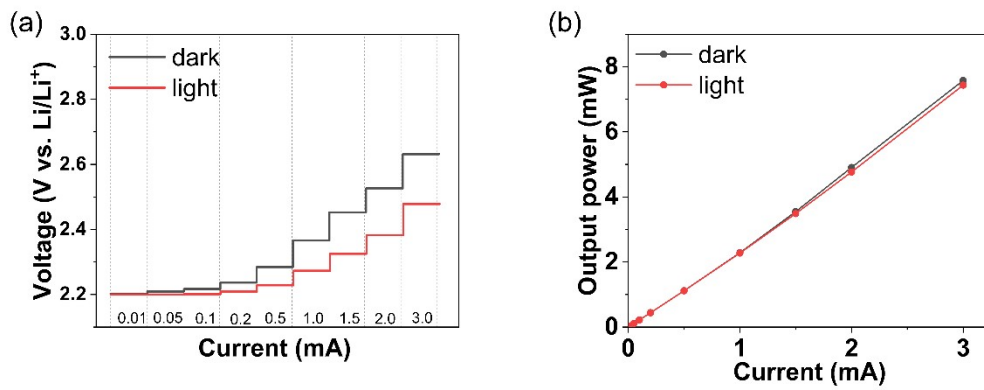


Figure S7. (a) I-V curve of DAAQ during charge. (b) I-P curve of DAAQ during charge.

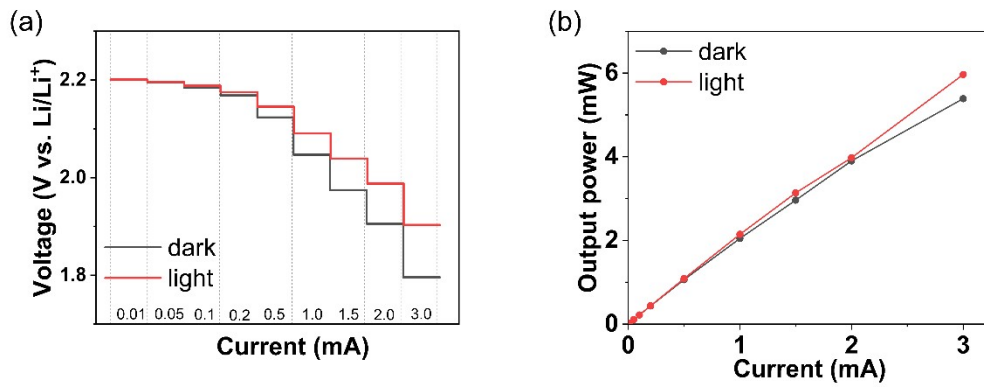


Figure S8. (a) I-V curve of DAAQ during discharge. (b) I-P curve of DAAQ during discharge.