

Supporting Information

Effect of the precursor components on the photovoltaic
performance of $\text{MA}_{1-x}\text{FA}_x\text{PbI}_{3-y}\text{Br}_y$ film prepared *via* one-step
deposition

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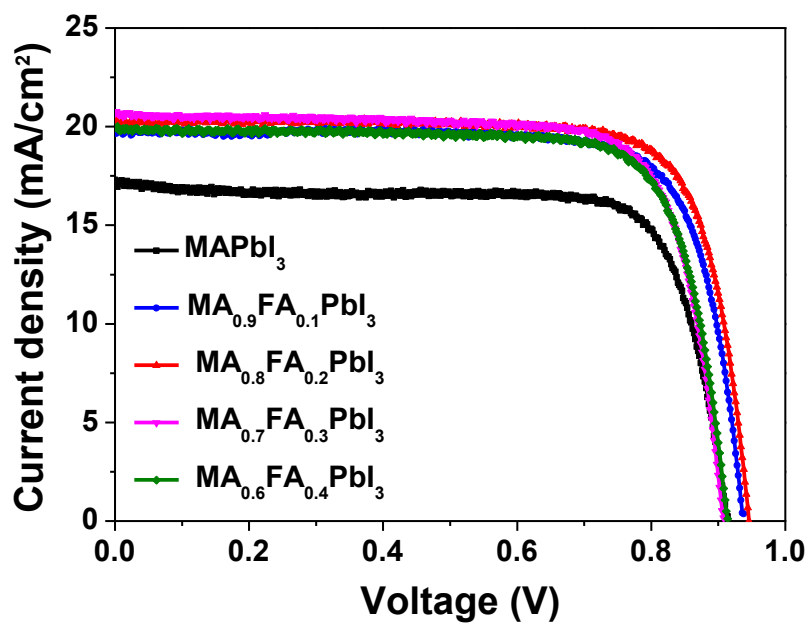


Figure S1: I-V curves of the inverted cells based on $\text{MA}_{1-x}\text{FA}_x\text{PbI}_3$

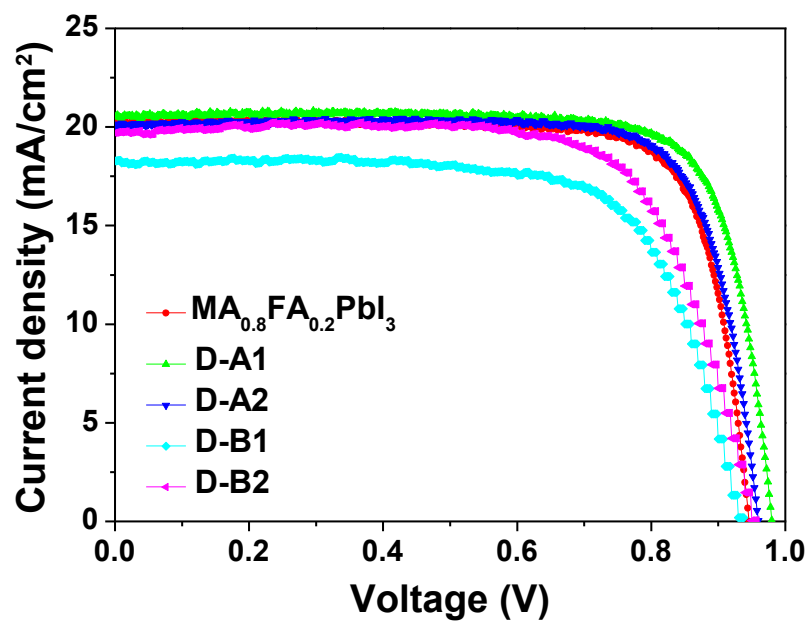


Figure S2: I-V curves of the inverted cells based on $\text{MA}_{0.8}\text{FA}_{0.2}\text{PbI}_3$ and $\text{MA}_{0.8}\text{FA}_{0.2}\text{PbI}_{3-y}\text{Br}_y$ prepared from two different precursor solutions

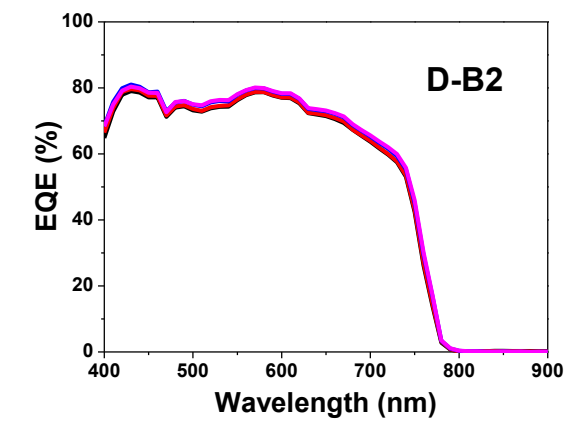
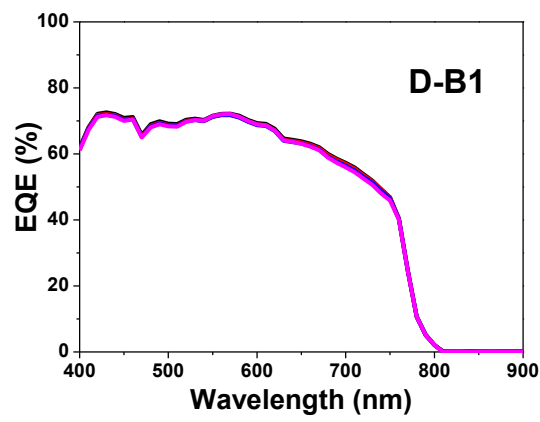
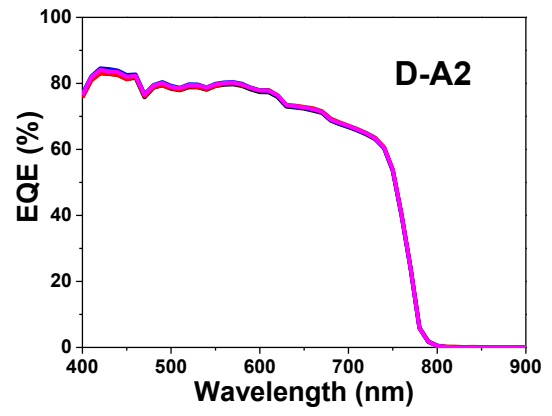
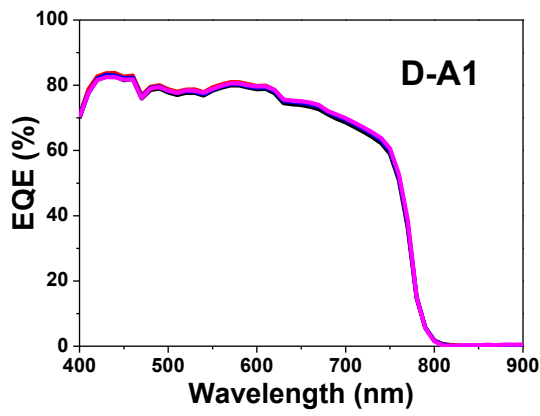


Figure S3: The EQE curves of the cells measured at 4 different positions