

Electronic Supplementary Information For
Efficient Hole-Conductor-Free, Fully Printable Mesoscopic
Perovskite Solar Cell with a Broad Light Harvester
 $\text{NH}_2\text{CH}=\text{NH}_2\text{PbI}_3$

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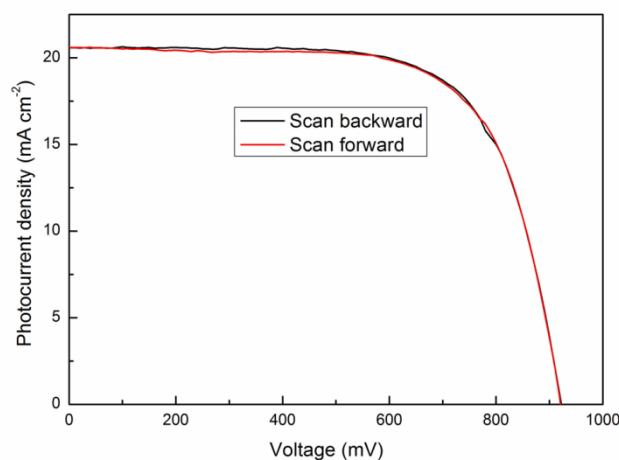


Figure S1 J-V curves of hole-conductor-free mesoscopic solar cell based on $(\text{FA})_{0.6}(\text{MA})_{0.4}\text{PbI}_3$ at different scanning directions: starting from 0 V to V_{OC} (backward) and starting from V_{OC} to 0 V (forward), the scan rate is 250 mV s^{-1} .

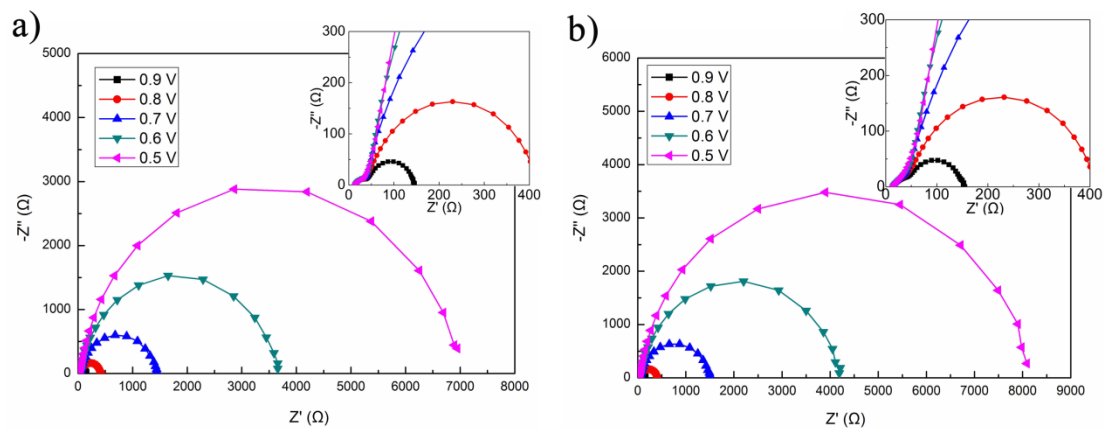


Figure S2 Nyquist plots of hole-conductor-free mesoscopic solar cells based on (a) FAPbI₃, (b) (FA)_{0.6}(MA)_{0.4}PbI₃ measured in dark condition with different forward applied bias. The inset is a zoom of the low impedance region.