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Supplementary Materials: Slot-Die-Coated Active Layer for Printed Flexible Back-Contact Perovskite Solar Cells

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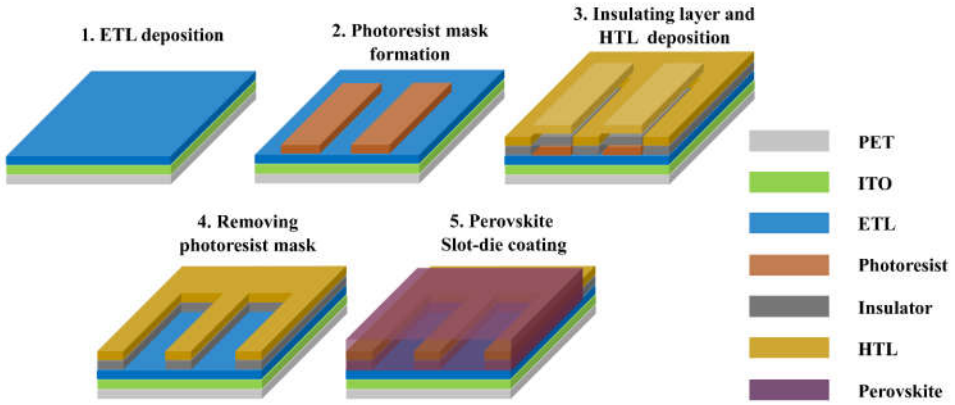

Figure S1. Block diagram illustrating the process of PFQIBC PSC fabrication and a schematic diagram of the final device.

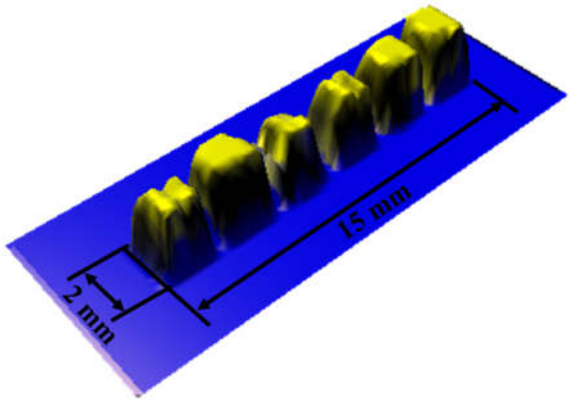

Figure S2. Photocurrent map of PFQIBC PSCs. The data was taken with a laser of 410 nm wavelength.

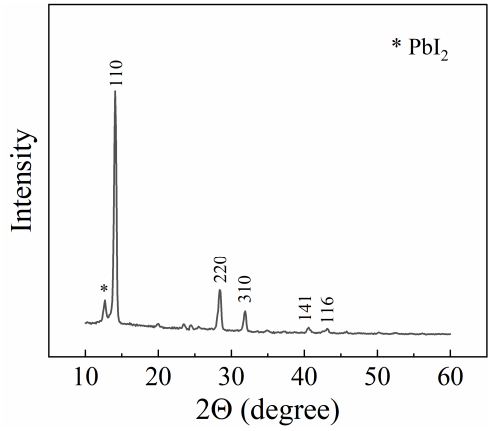

Figure S3. XRD pattern of a slot-die coated perovskite film on PET substrate.

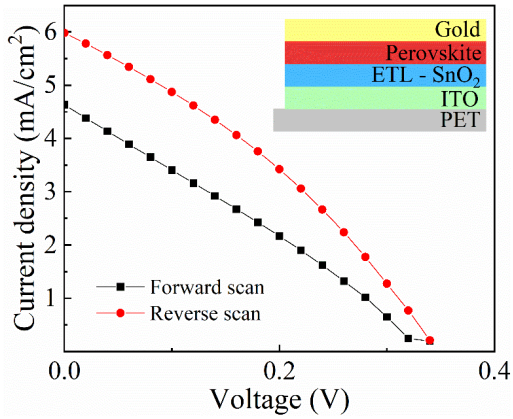

Figure S4. Current-voltage characteristic curves of a printed and flexible perovskite solar cell with a sandwich structure. The inset graph shows a scheme of the device structure.

Table S1. The photovoltaic parameters of a sandwich PSC under AM1.5G solar irradiation.

Scan direction	V_{oc}, V	J_{sc}, mA/cm²	*FF*, %	*PCE*, %
Reverse	0.34	6.02	32	0.67
Forward	0.33	4.62	28	0.43