

Supporting Information

Impact of the arrangement of functional moieties within small molecular systems for solution processable bulk heterojunction solar cells

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1. Cyclic Voltammograms

1.1. CV in solution

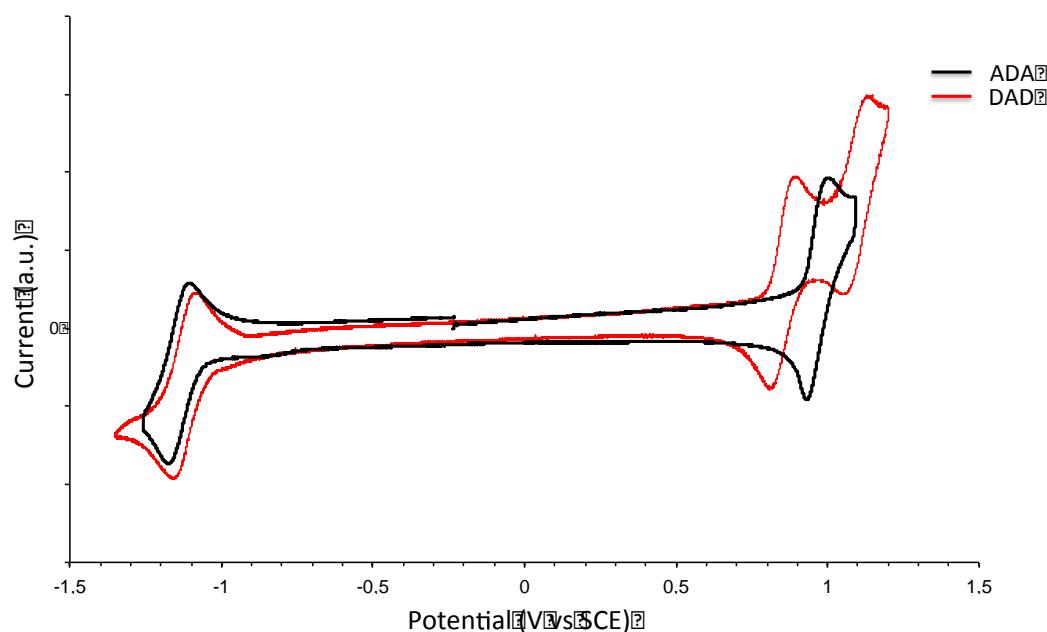


Figure S1: Cyclic voltammogram of DAD and ADA in solution measured in 0.1 mol.L^{-1} Bu_4NBF_4 methylene chloride solution at a scan rate of 20 mV.s^{-1} .

1.2. CV in film

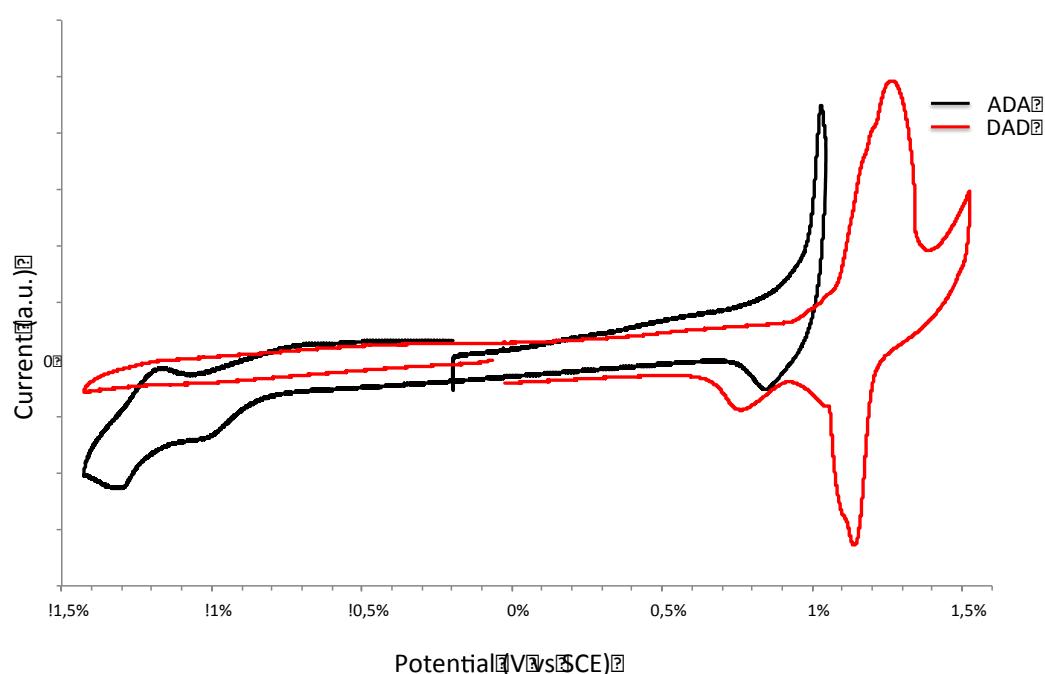


Figure S2: Cyclic voltammogram of DAD and ADA in film on a platinum electrode measured in 0.1 mol.L^{-1} Bu_4NBF_4 acetonitrile solution at a scan rate of 20 mV.s^{-1} .

2. Complementary information on PV data

Table S1: Conditions process variations for OPV characterizations

Molecule	Ratio	V_{oc} (V)	J_{sc} (mA.cm^{-2})	FF (%)	PCE (%)	Molecule Concentration (mg.mL^{-1})
DAD	1:0.5	0.20	5.58	26.0	0.29	10
DAD	1:1	0.58	4.25	35.9	0.88	5
DAD	1:1	0.41	7.17	30.4	0.89	10
DAD	1:1	0.73	7.28	41.2	2.19	20
DAD	1:1.5	0.42	3.13	51.4	0.67	10
DAD	1:2	0.44	5.95	30.1	0.79	10
ADA	1:0.5	0.61	1.19	28.9	0.21	20
ADA*	1:1	0.68	2.46	32.9	0.55	20

Cathode Al, solvent CB, blended with PC₆₁BM. *(120°C, 10 min) thermal annealing.

