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Electronic Supporting Information

Tuning spectral properties of phenothiazine based donor-π-acceptor dyes for efficient dye-sensitized solar cells

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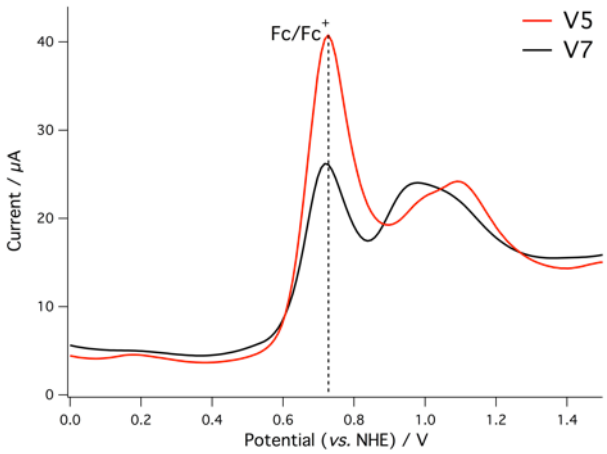

Figure S 1 Differential pulse voltammograms of the dye V5 and V7 in DMF with a $TBAPF_6$ as a supporting electrolyte and ferrocene as an internal reference. A value of 0.72 V *vs.* NHE was taken as an oxidation potential of ferrocene and the plots were normalized accordingly.

Table S1 The relative distance between the conduction band edge position and the quasi-Fermi level derived from the cell capacitance obtained via EIS measurement under 0.5 Sun.

Dye	E_C-E_{Fn} / eV
V5	0.10
V7	0.11

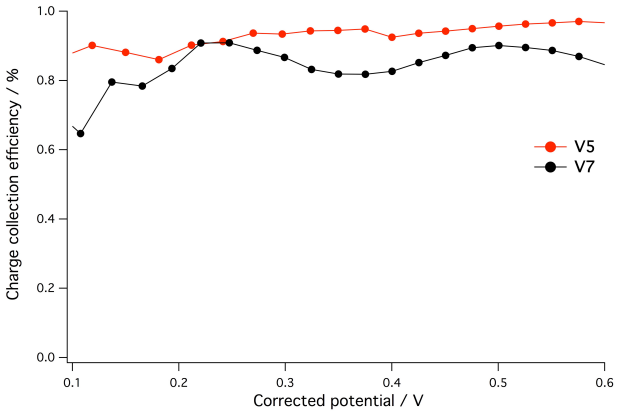

Figure S2 Charge collection efficiency plots for the cells with V5 and V7 dyes obtained from EIS measurements under 0.5 Sun light intensity illumination.