

Supplementary Material *P-V curves for each shading pattern and irradiance level*

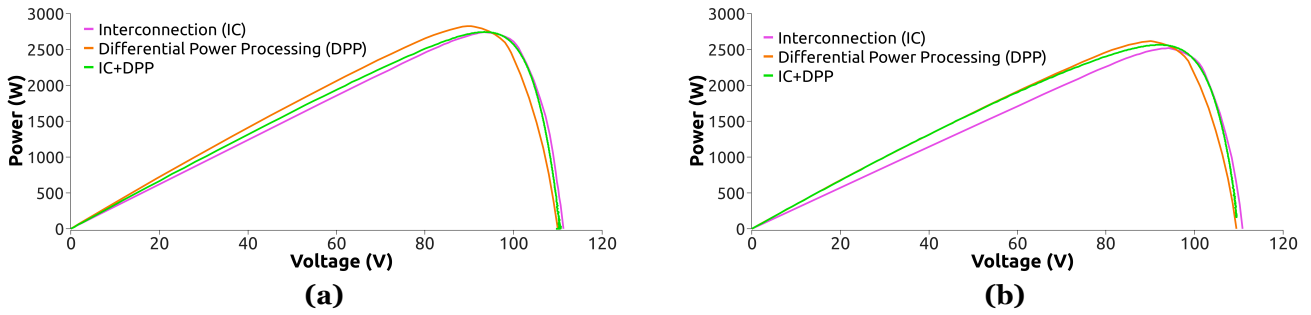


Figure S1. Long column: (a) 700 W/m²; (b) 400 W/m².

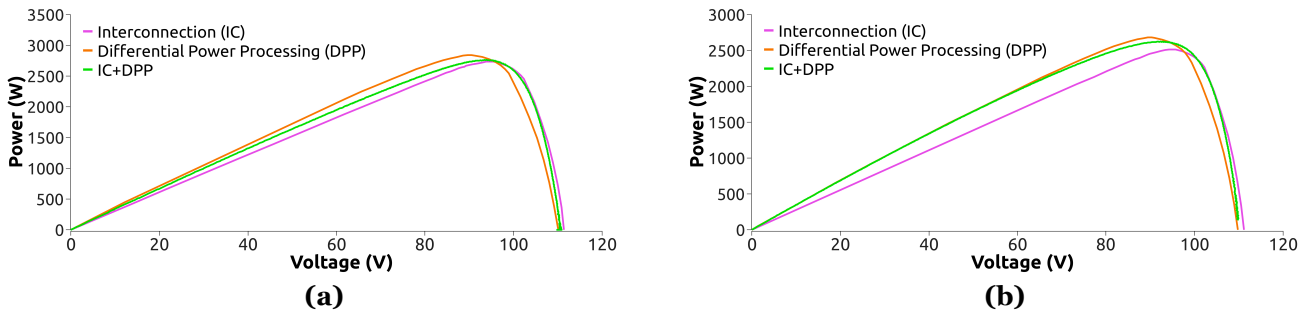


Figure S2. Partial column: (a) 700 W/m²; (b) 400 W/m².

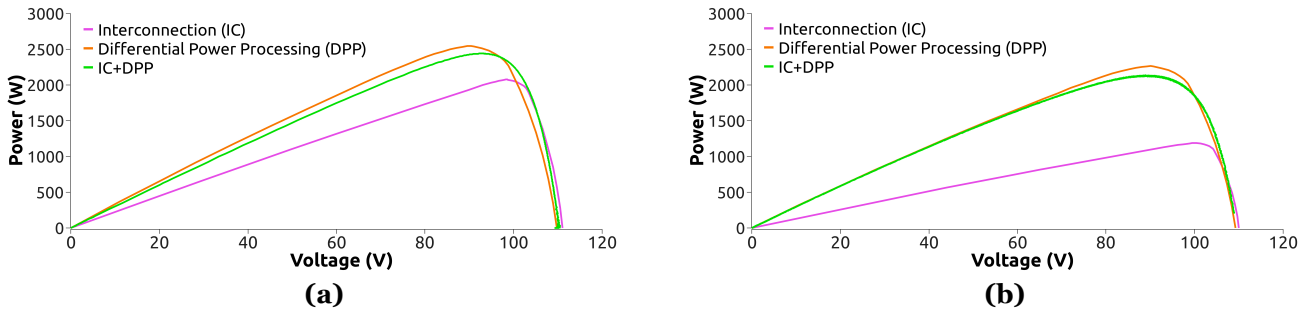


Figure S3. Long narrow: (a) 700 W/m²; (b) 400 W/m².

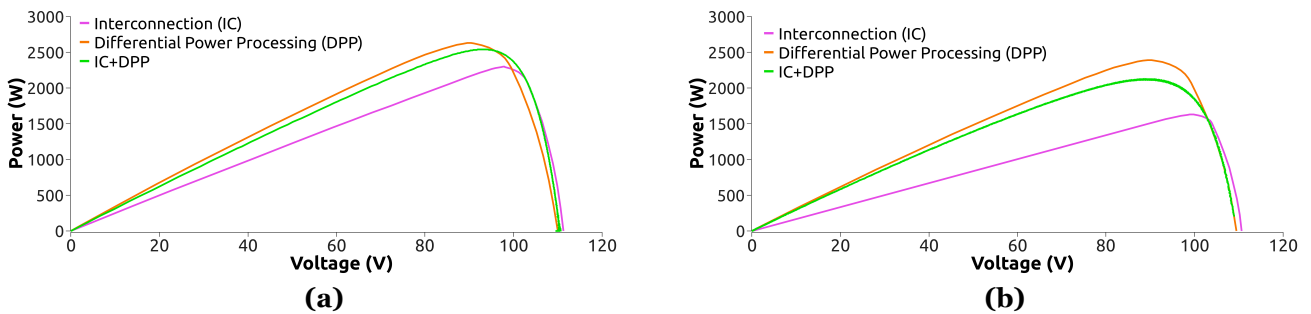


Figure S4. Medium narrow: (a) 700 W/m²; (b) 400 W/m².

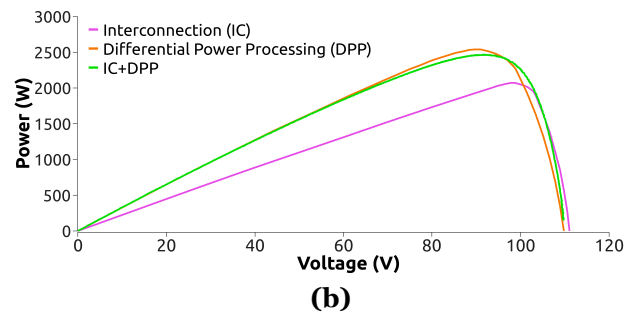
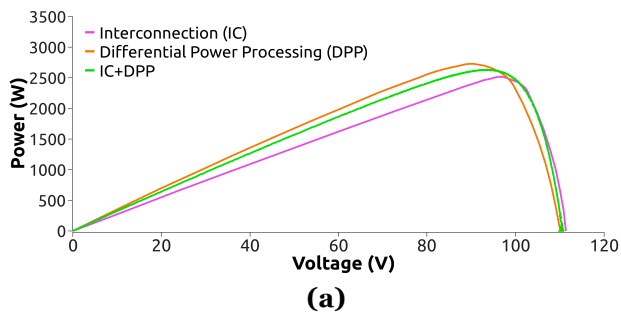


Figure S5. Short narrow: (a) 700 W/m²; (b) 400 W/m².

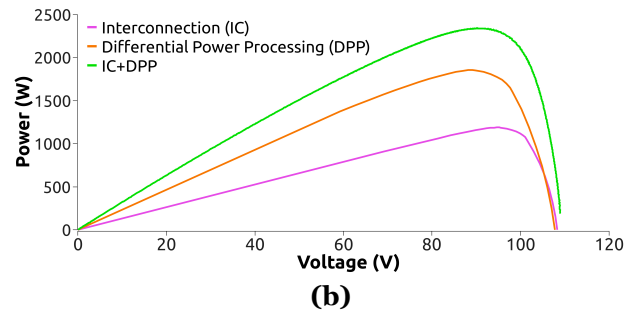
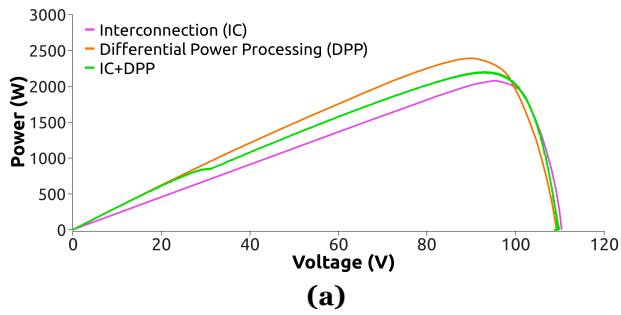


Figure S6. Long wide: (a) 700 W/m²; (b) 400 W/m².

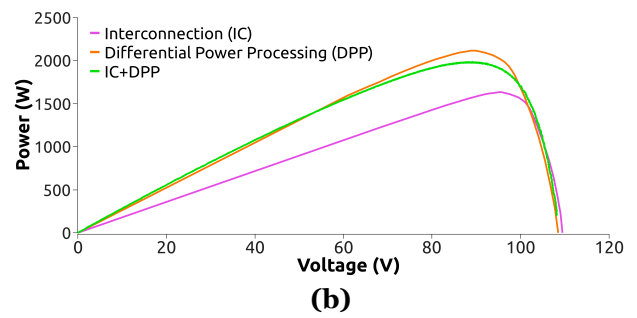
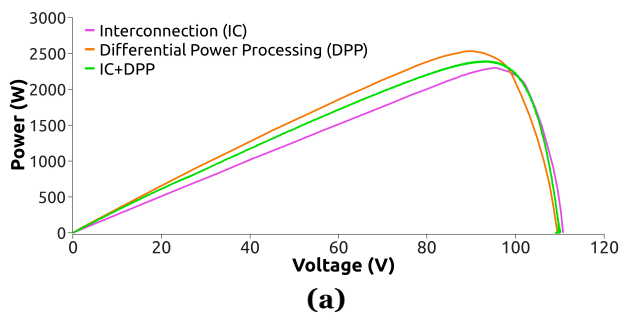


Figure S7. Medium wide: (a) 700 W/m²; (b) 400 W/m².

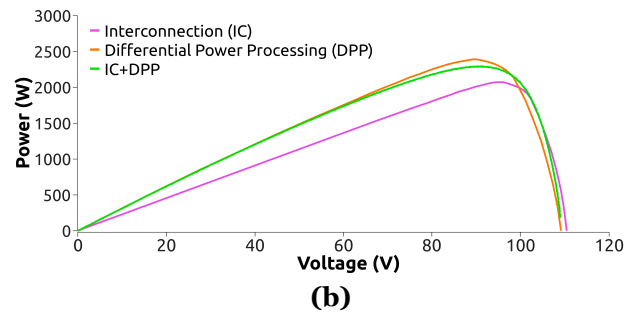
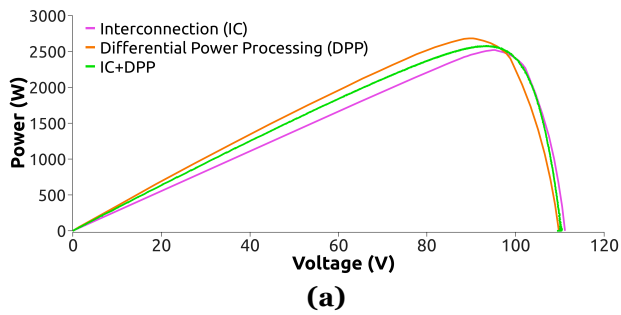


Figure S8. Short wide: (a) 700 W/m²; (b) 400 W/m².

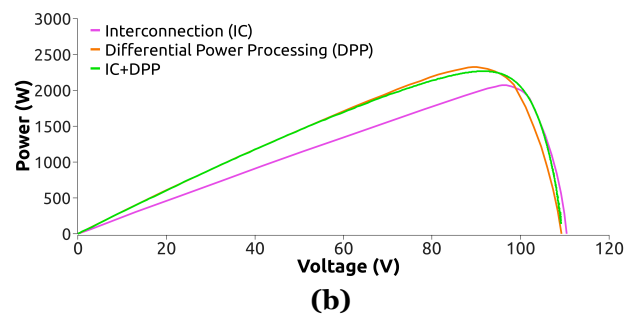
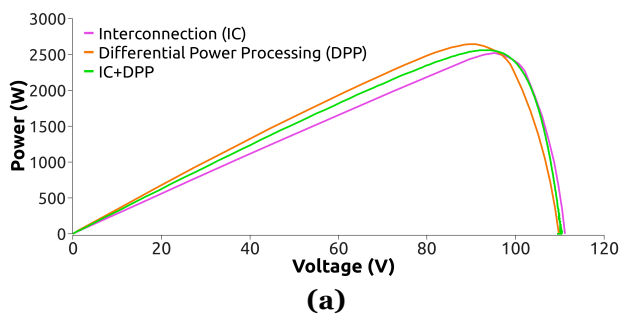


Figure S9. Long diagonal: (a) 700 W/m²; (b) 400 W/m².

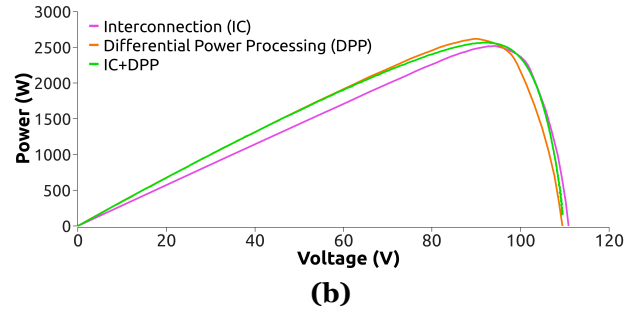
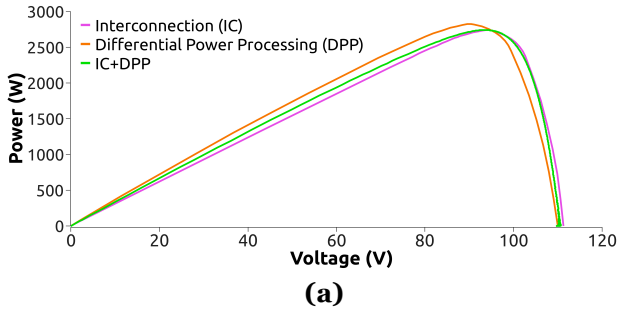


Figure S10. Short diagonal: (a) 700 W/m²; (b) 400 W/m².

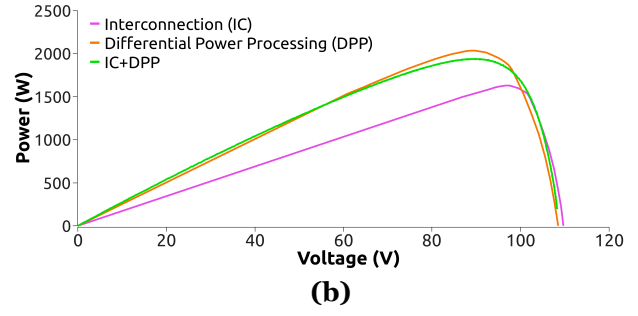
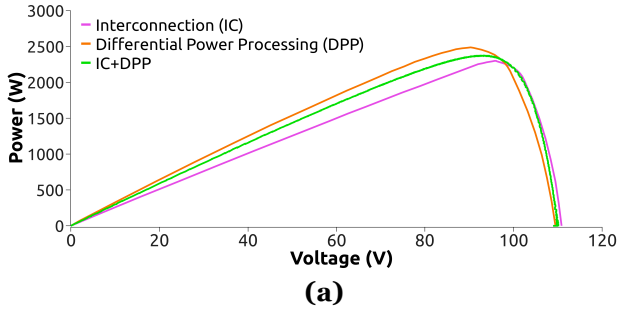


Figure S11. Long corner: (a) 700 W/m²; (b) 400 W/m².

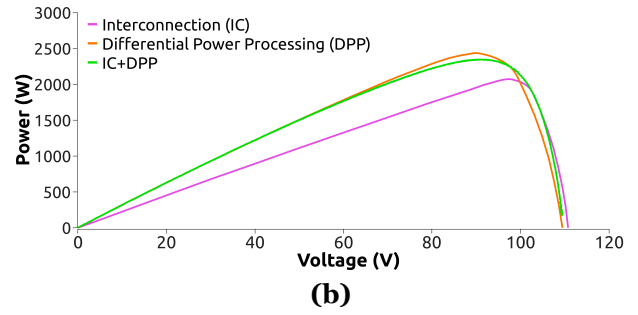
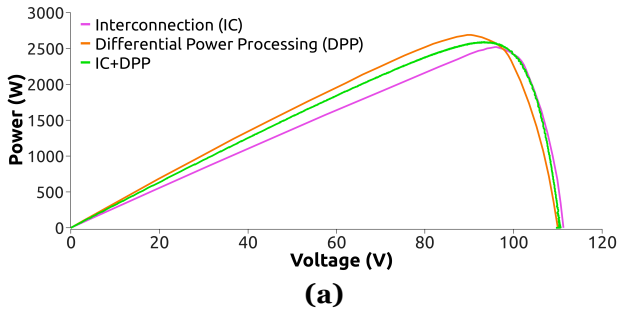


Figure S12. Medium corner: (a) 700 W/m²; (b) 400 W/m².

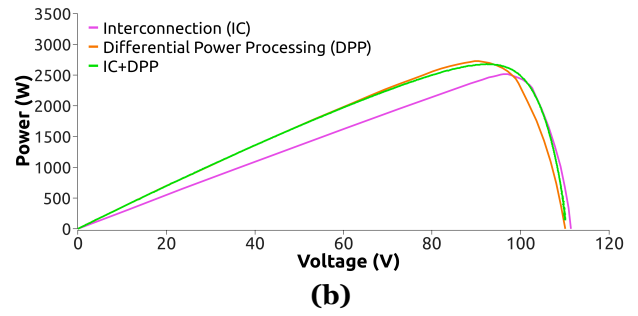
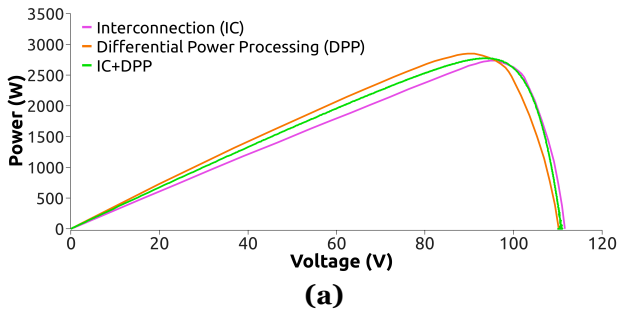


Figure S13. Short corner: (a) 700 W/m²; (b) 400 W/m².