

SelTan Solar



RUTGERS

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- Four-terminal tandems provide the best opportunity to scale up 1-Sun high efficiency module designs
- Incumbent wide bandgap materials are III-V-based (too expensive for large area) or tri-halide perovskites (too sensitive for long-term field use)
- Our solution: cadmium selenide, a II-VI material with bandgap of ~ 1.75 eV
- Its melting point is even higher than CdTe, the only low-cost, thin-film, single-junction with long-term field performance and stability.

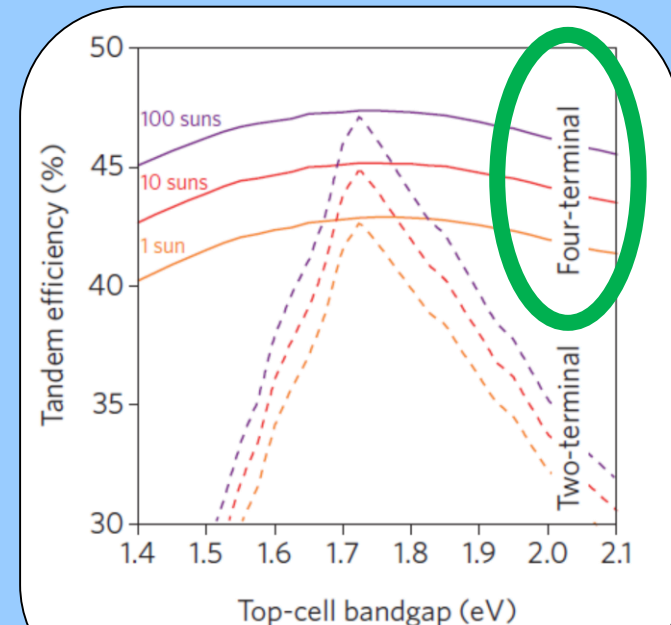
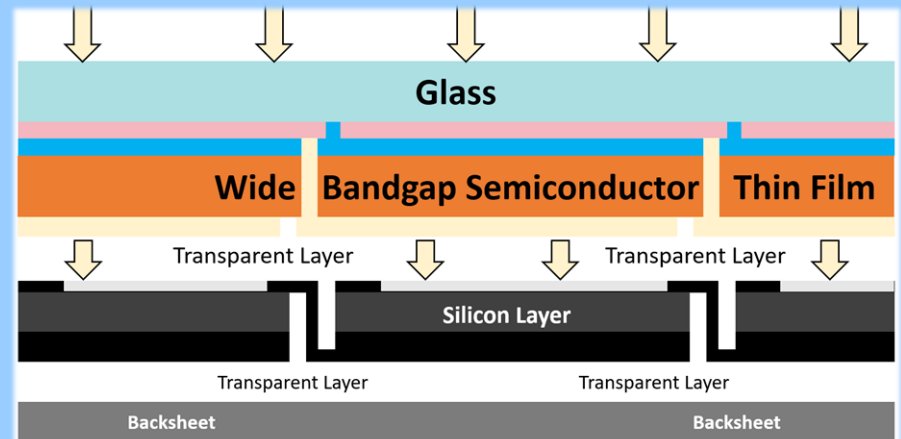


Figure adapted from: 2016 Nature Energy – Yu et al