

Technical Assistance Report

We'll need to test the optimal ratios of dispersion to concentration as well as the electrical connections between the tray and housing. For this, we'll need access to accelerated testing facilities and specifically request use of NREL's High-Bay Accelerated Testing Laboratory (at the Outdoor Testing Facility). The Atlas 260 accelerated-testing chamber will be of immense use in determining how well our system is constructed as well as how it weathers and handles UV exposure

Further, we'd like to use the Failure Analysis testing equipment to look at module current leakage as well as use the IR cameras.

We also request access to the Accelerated Exposure Testing Laboratory (FTLB/158-03) and use of full spectrum solar simulators.

Collectively, these will help us ascertain how our assumptions hold up under real world conditions in terms of both the perovskite and housing.