

# UNIVERSAL PEROVSKITE SOLAR CELL TESTER

A complete package of perovskite cell analyzes in one device

## OVERVIEW

The universal perovskite solar cell tester is a device consisting of a solar simulator and a current-voltage measurement module that allows measurement at different temperatures and light intensities and a controlled atmosphere. The solar simulator part includes an all-LED source with a very long lifespan. Although perovskite solar cells have a record efficiency of more than 25%, they are still involved with the problem of thermal stability, optical stability, hysteresis, ion migration, layer boundary control, and etc. By performing a wide range of measurements that are usually taken in laboratories with various equipment and methods, this system provides quick feedback for the evaluation and optimization of perovskite solar cells on a laboratory scale.



## FEATURES

- Including solar simulator, I-V measurement module, temperature and atmosphere control module and comprehensive measurement software
- Measurement of solar cell characteristics in the temperature range of 5-75 °C
- Measurement under different light intensities 0.1 – 1 Sun
- The possibility of evaluating the thermal and optical stability of perovskite cells
- Comprehensive software, with automatic calculation of relevant quantities in each measurement
- Possibility of measurement under controlled atmosphere