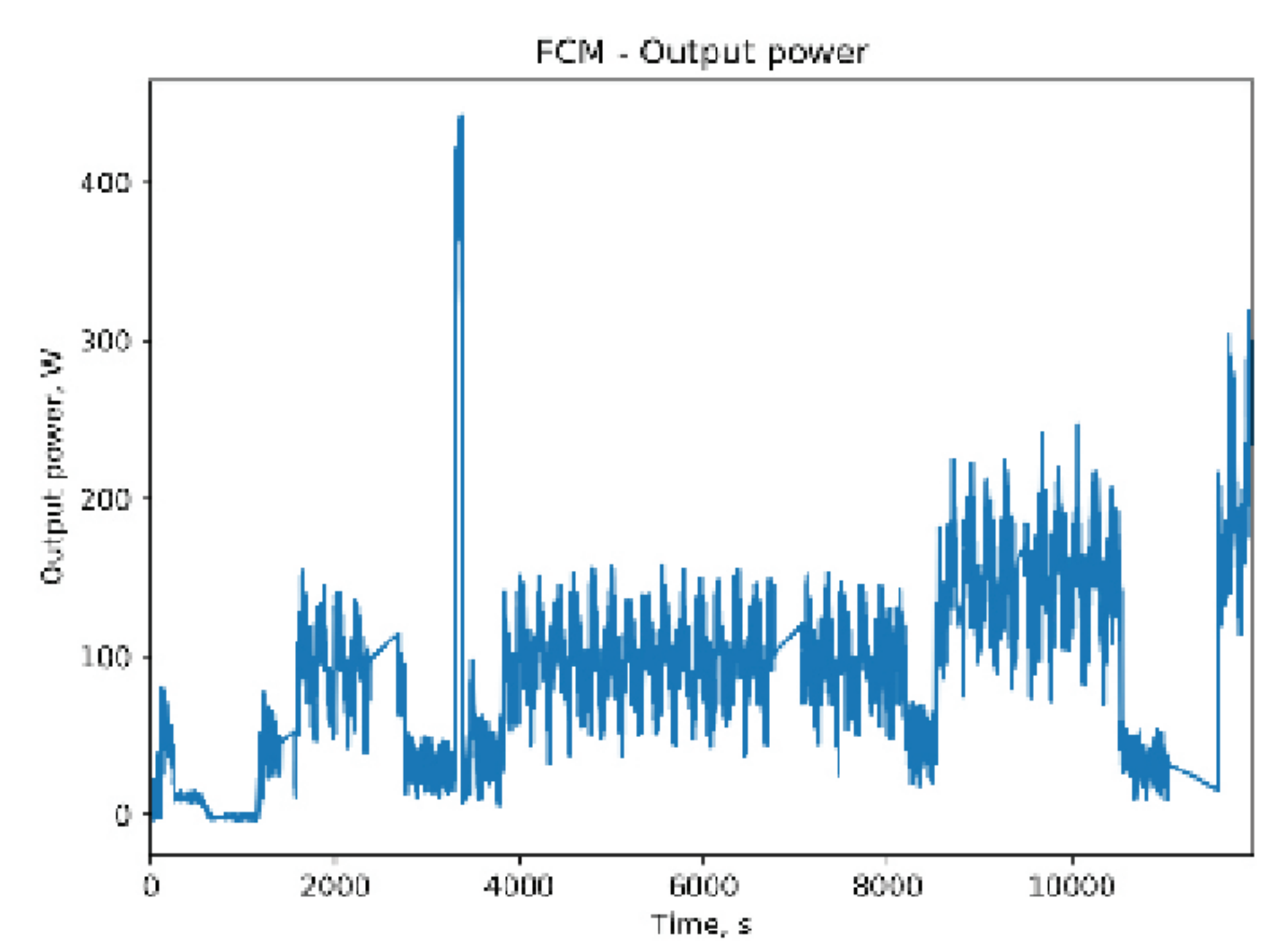
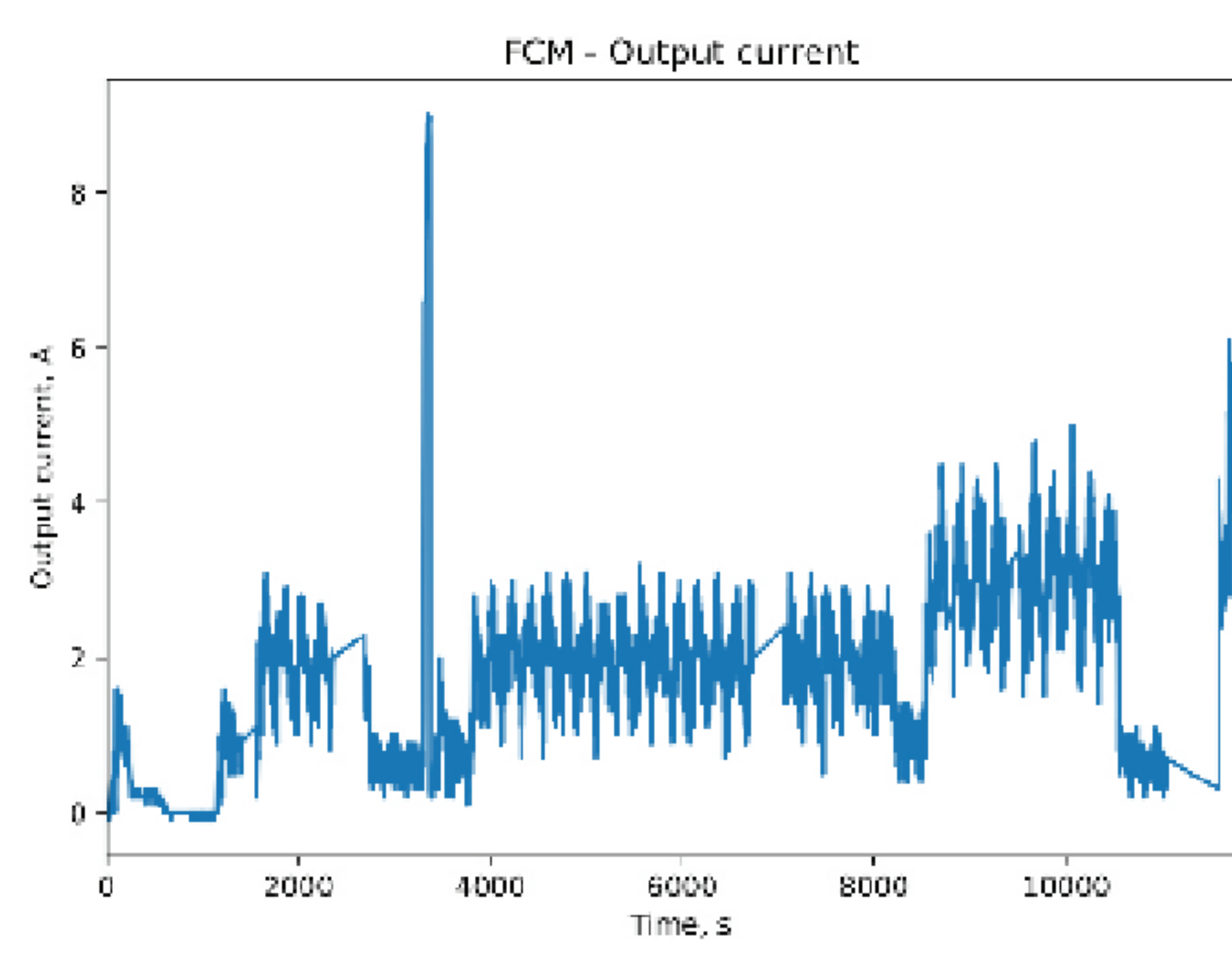
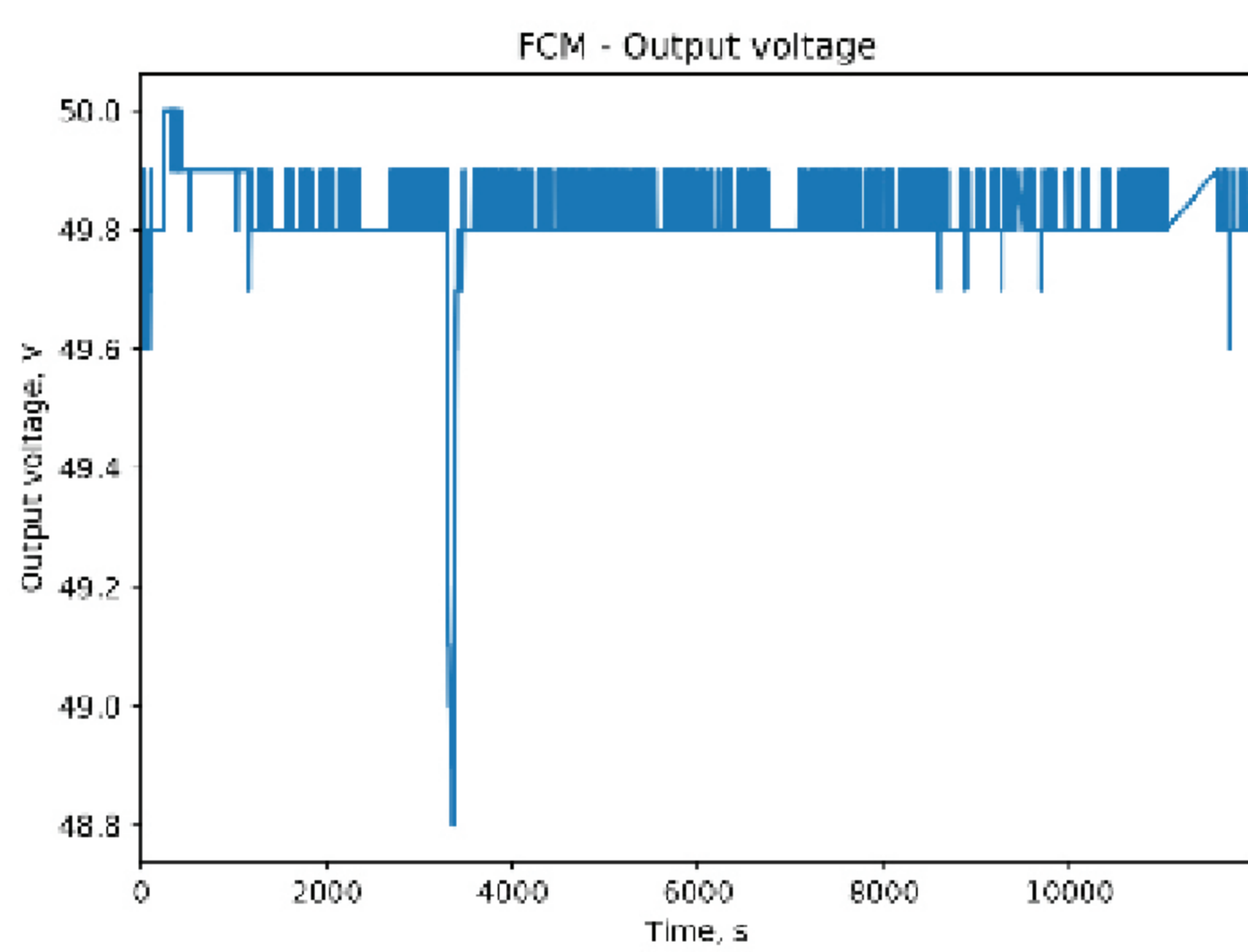


Overview

HySA Infrastructure Center has developed research and demonstration infrastructure for a bulk supply of ultra-pure hydrogen produced on-site using photovoltaic solar energy and water. Renewable hydrogen is stored for use in various applications, experiments, equipment testing and student training. The fuel cell systems testing facilities are capable of testing fuel cells for industries such as telecommunication. Compact 1kW fuel cell modules from BM Power are used for UAV and drone power research. Several programmable electronic loads with a combined capacity of 16.8 kW is available for testing units from a couple of 100W all the way to 16.8 kW by operating all the loads in parallel. Any user provided profile can be programmed and fuel cell units tested for prolonged operation



Feature include

- Infrastructure for on-site production and storage of ultra-pure hydrogen for fuel cell applications
- Programmable electronic load with 16.8 kW total testing capability
- 13 kW chiller plant providing chilled water down to 5oC for cooling requirements
- Monitoring and data logging equipment
- Experience with several fuel cell manufacturers
- Support with design and setup of student projects involving fuel cells and fuel cell systems

