



PCS-9700 Energy Storage System

PCS-9700 Energy Storage System cooperates with power conversion system & third-party battery management system, so as to provide a reliable & economic energy storage solution for application of microgrid, renewable energy resources and etc.

PCS-9700 ESS is designed for energy storage power plants based on the various batteries as shown below:

- Lithium ion battery
- Sodium-sulfur battery

- All-vanadium redox flow battery
- Lead carbon battery
- ...

PCS-9700ESS is fully compatible with multiple international standards. Advanced distributed network technology, object-oriented database technology and cross-platform visualization technology are integrated. It can be installed on computers with different operating systems (e.g.: Linux, Windows).

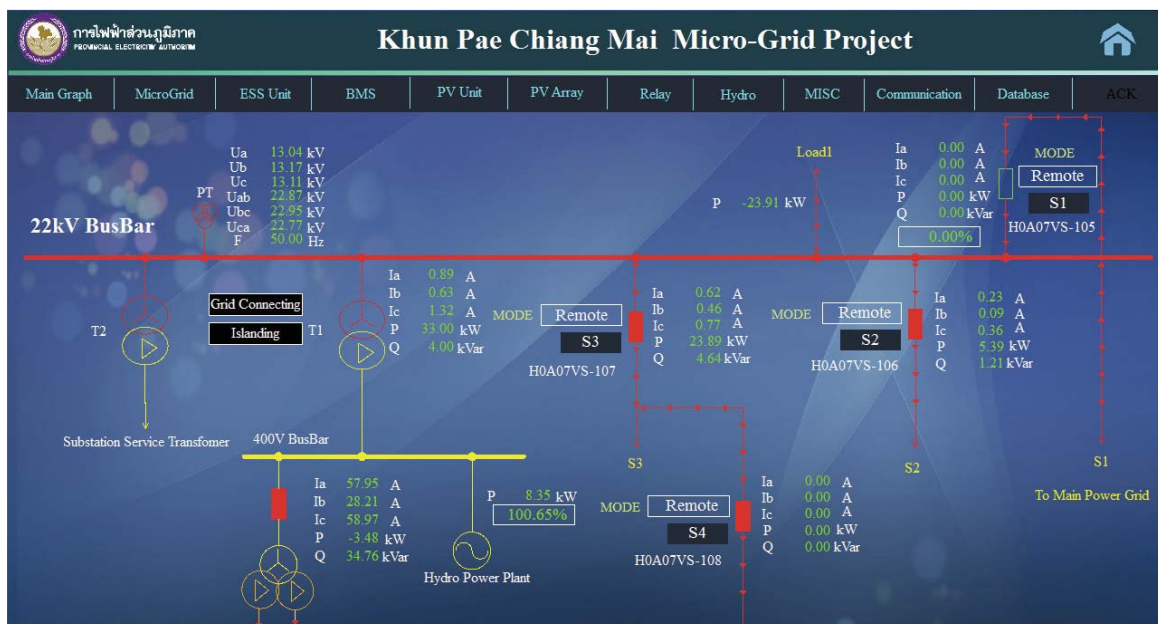


Figure 1 Main interface of PCS-9700 Energy Storage System

Functions

- Control & monitoring of Power Conversion System (PCS)
- Control & monitoring of Battery Management System (BMS)
- Receive/Edit/Execute schedule from external system
- Real-time alarm display & retrieval
- Report & Statistics
- Graphic user interface
- Database management
- History event retrieval
- Topological analysis
- Self-diagnosis
- Authority management
- Fully comply with IEC61850
- Trending
- Customization
- Remote control for CB/DS/ES & tap position

Features

- Friendly graphic interface is provided to achieve easy maintenance
- Reliable system operation
- Suitable to deal with mass data acquired from the batteries
- Fully comply with IEC61850
- Adopt object-oriented modular technology
- Conform to international standards, e.g.: C++, TCP/IP, ODBC, SQL, ActiveX and etc.
- Support flexible network structure to ensure convenient connection to other systems
- Able to be installed on computers with different operating systems (e.g.: Linux, Windows)
- Adopt unified commercial database and real-time database. The equipment-oriented database management system supports online equipment configuration and real-time database verification.
- Provide online self-diagnosis to detect system failure continuously
- Provide system self-restoration



Figure 2 Control & monitoring of PCS-9700ESS Battery Management System