Energy Cloud eMind

eMind-Web

eMind-App

Product Introduction

Energy cloud eMind is a collection of application services such as aggregated data display, strategy control, operation analysis and big data mining for energy storage system. On the basis of microservice architecture, it can be flexibly deployed on public clouds or private clouds. Through the data storage based on temporal database, eMind is capable of displaying and storing voltage and temperature of each cell in energy storage system at second level (time), supporting tracing of operating data and failure break-point recording of energy storage power station at any time slots. Through big data statistical analysis, mining and analysis of thermal management operation data and battery health of energy storage equipment, it provides support for decision-making and risk forecast for energy storage power stations and enables energy storage power stations on unmanned duty.

Product Advantages

FULL SIDE MONITORING

Voltage, temperature and internal resistance of every cell are checked, and operating data and safety status of energy storage power station are displayed and stored in an all-round manner

PROCESS BACKTRACKING

It is capable to automatically record break point data in the failure and inquire and trace energy operation process of storage power stations

INTELLIGENT OPERATION AND MAINTENANCE

Enabling battery calibration and maintenance, output economy reports and maintenance recommendations for power station operation

DATA MINING

Be capable of analyzing the data of thermal management and operation and battery system degradation and degradation of energy storage system

Operation and maintenance management	eMind–APP	eMind–Web			
Business service	Operation scheduling	Risk control and early warning	Database access	Data analysis and mining	Risk forecast
Data storage	Relation database	Time series database	Distributed data storage		
Perceptual transmission	Data collection	Wired transmission	Wireless transmission		
Equipment level	eBlock	Transformer	PV power generation	Wind power generation	Power grid