

UT-6611 Intelligent Microgrid Coordination Device



SUMMARY

This product coordinates the monitoring, control and regulation of load, power supply and energy storage within the microgrid or user-side distribution network, achieves local stability and balance, implements the optimal power utilization strategy, carries out dynamic regulation control, improves energy utilization efficiency, and responds to superior directives to achieve control goals.

ADVANTAGE



Real-time Edge Processing

It collects, processes, transfers, stores and displays real-time data for the power supply circuit and the status, current, voltage and power of the equipment. It can calculate and process the results according to the current data, deduce the strategy in real-time and execute it to meet the requirements, dynamic adjusting load control, microgrid energy management, etc.



Flexible Strategic Regulation

According to the current load energy requirement, dispatching negative control and energy reversal requirement, power cost and controllable status, power adjustment control or switching control is carried out on the power equipment and power supply in the user power supply area, to ensure the load balance under various operating conditions.



Automatic Demand Response

Demand side load and energy (energy storage and distributed power) auto-response, to meet the rating limit or target adjustment of user power load for the main station/dispatch, to achieve a harmonious regulation and control of non-pull power limit, and to support regional energy collaborative peak regulation.



Grid-connected Disconnected Network Dual Mode

Controlling the stability of the microgrid in isolated islands, ensures the normal operation of important loads in the microgrid to a greater extent. The automatic grid connection process after the main network calls, the load recovery and power adjustment process after the grid connection are coordinated, and the optimal operation state of the network is restored.



Frequency offset coordinated self healing

Based on the internal power capacity and load demand of the microgrid and its priority, the frequency offset threshold of islands control is preset and dynamically adjusted for each load. Frequency offset and recovery triggering and coordination of the internal power supply of the microgrid. Supports coordinated control of micronet black start process.