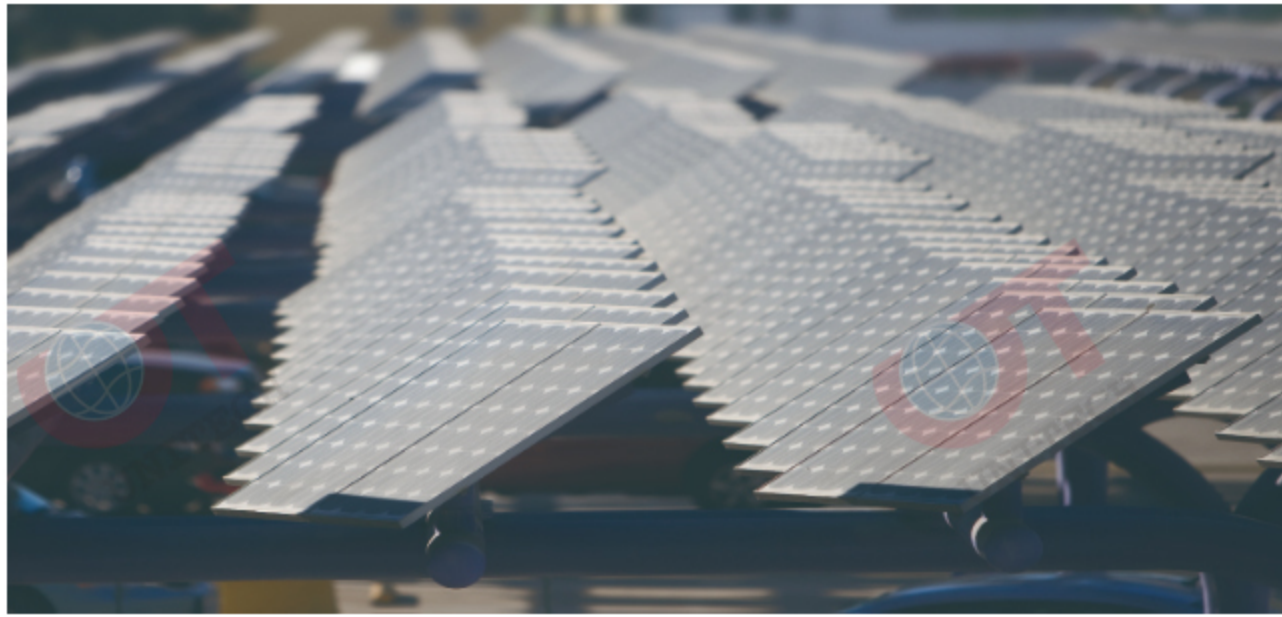


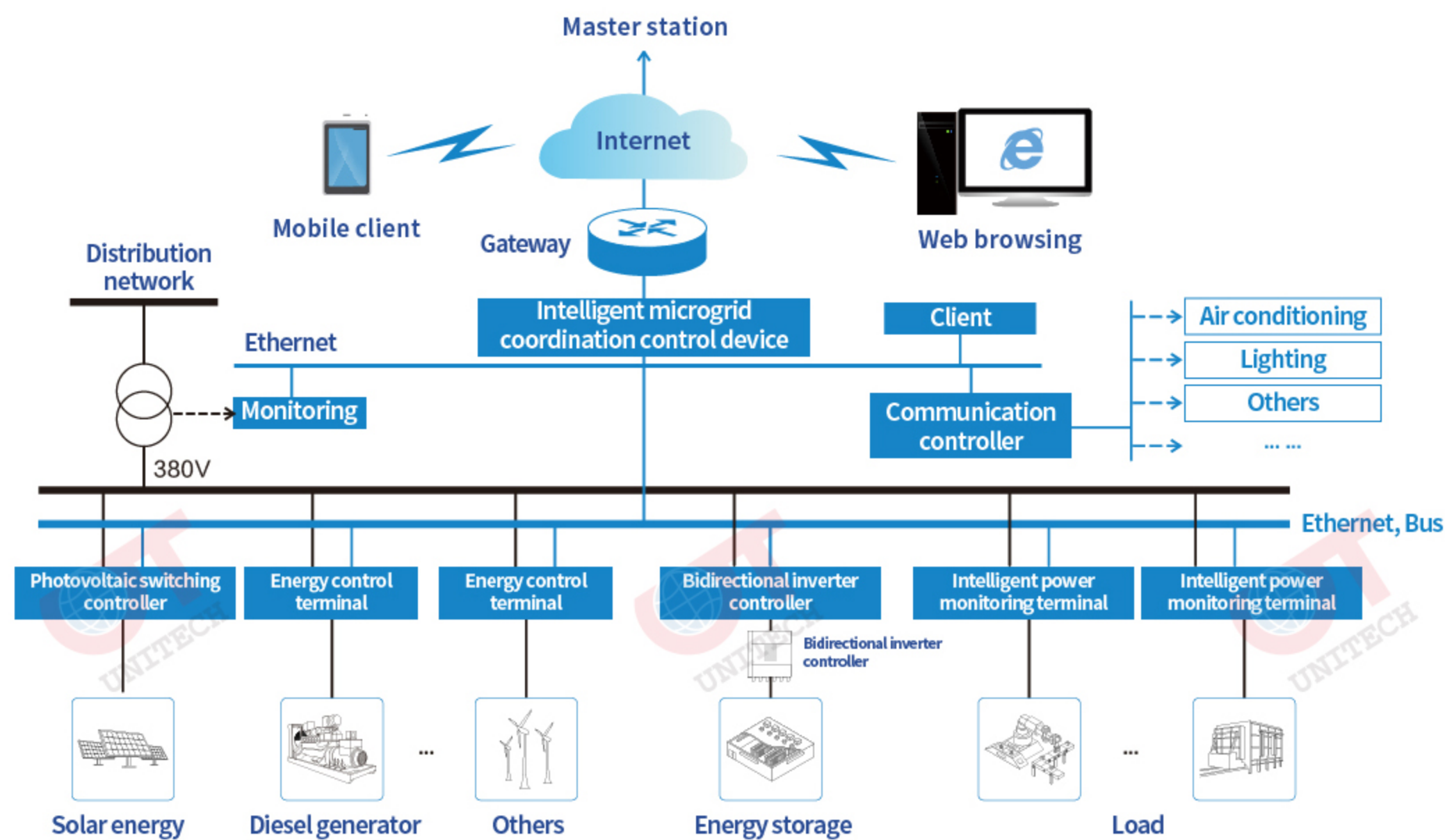
UT-D100C62 User Demand Side Intelligeng Microgrid Coordination Control System



SUMMARY

This product applies smart microgrid coordinated control device, a variety of smart microgrid control execution terminals, and integrates smart load devices and systems to achieve the coordinated optimal operation and safety control of distributed power, energy storage and load, to make the microgrid operate stably, efficiently and economically, and to promote the consumption and utilization of distributed new energy.

SYSTEM STRUCTURE



ADVANTAGE



Integrated Energy Management

To achieve dynamic balance of distributed power, storage energy, and friendly interaction with large power grid with real-time operation monitoring and energy balance control.



Optimal Coordination

It gives preference to local renewable energy sources and large grid low valley power with automatic demand response and peak hour avoidance.



Stable operation

It gives greater priority to ensuring the operation of important loads, and realizes coordinated control of emergency power supply and black-start in case of power network failure.



Smooth Switching

When the main network fails, the microgrid is automatically decoupled which can change the status of connecting to the power grid.



Safety Management

Real-time misoperation prevention logic judgment, validation and execution tracking covering all aspects of operation deduction, strategy generation, control execution, monitoring operation.



Clean Energy Dissipation

Make full use of the regulation role of microgrid load and energy storage to smooth the fluctuation of distributed new energy power and promote the consumption and utilization of distributed new energy.



Information Security

To ensure the information security by network isolation, identity authentication, transmission encryption, rights controlled.