



## How to Ensure Stable Power Supply with Redundancy Function of IT6600C/D Power Supply

In the era of information, the demand for power supply reliability is higher than ever. This is especially true in critical applications such as data centers and communication base stations, where power stability directly impacts the normal operation of the entire system.

To meet the demand, the IT6600 series was created. It includes 2 sub-series:

IT6600C Bidirectional Programmable DC Power Supply

IT6600D Programmable DC Power Supply

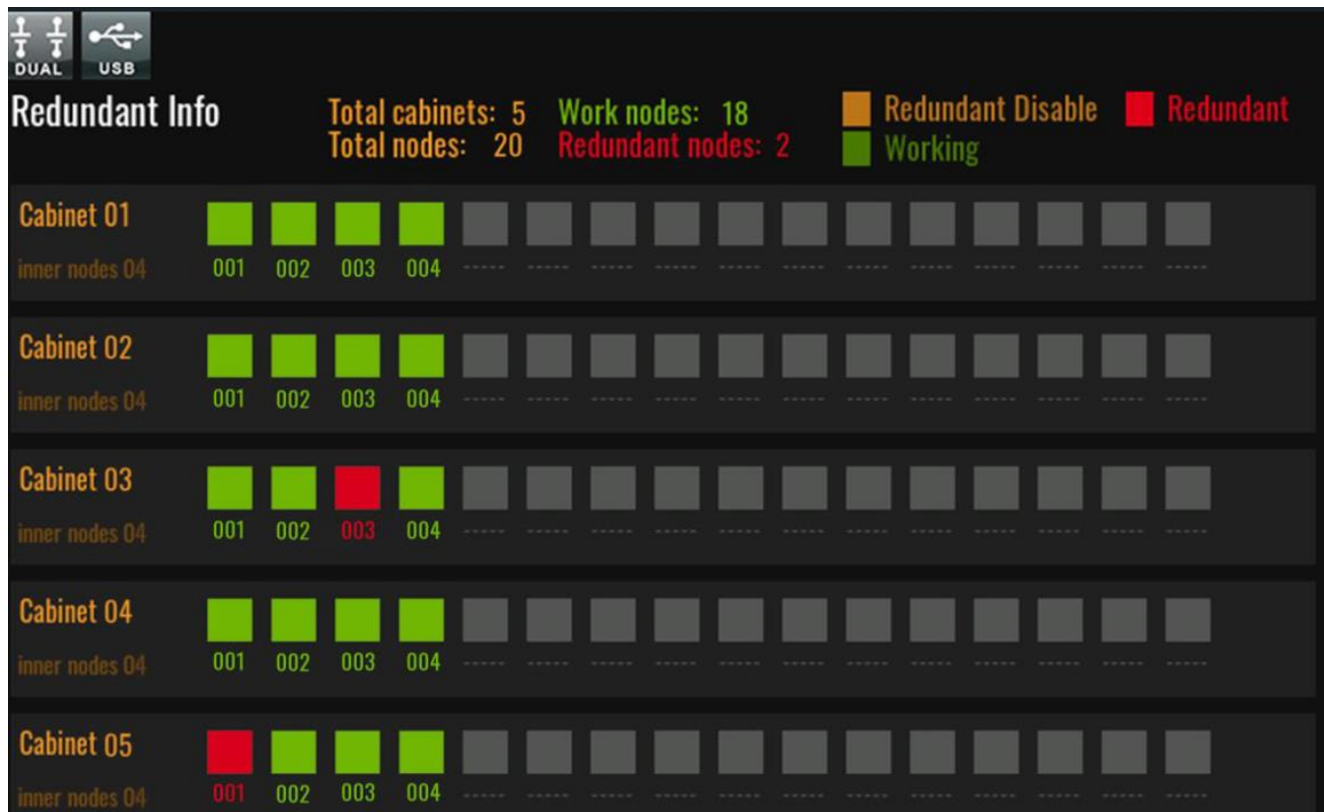


**The redundancy feature is especially suitable for scenarios with high power reliability requirements**, such as advanced scientific research, critical industrial testing, and data centers. These applications demand extremely high levels of stability and continuity in testing, as any power outage or fluctuation may lead to serious consequences, including data loss, system crashes, or even safety hazards.

The IT6600 can be configured with “N+1” or “N+2” power modules based on the customer’s actual testing requirements. In the event that one or two modules fail, the IT6600 DC power system will automatically detect the fault, isolate the faulty module(s) from the test, and promptly reallocate power within the remaining “N” modules to ensure a smooth and uninterrupted output.

This means that even if a module fails, as long as the remaining power capacity meets the testing requirements, the IT6600 power system will continue to deliver full power to the bus, ensuring uninterrupted testing and providing continuous and stable power support.

The IT6600 DC power supply excels not only in functionality but also in user-centric design. Featuring an intuitive touchscreen interface, it enables seamless monitoring and control of individual units and entire cabinets. Real-time data displays and intelligent fault alarms ensure quick diagnostics—any faulty module is clearly marked in red, allowing engineers to respond and resolve issues without delay. This enhances operational efficiency and ensures uninterrupted test reliability.



In addition to its redundancy capabilities, the IT6600 power system is equipped with a wide range of intelligent protection features, including overload protection, overvoltage protection, and short-circuit protection. These functions further enhance the system's stability and reliability. With its advanced design and robust performance, the IT6600 has become a preferred power solution for critical applications.

In summary, the IT6600 power system delivers outstanding stability, reliability, and intelligent protection, offering users a highly dependable power solution. Whether deployed in data centers, telecommunications base stations, or industrial control systems, the IT6600 ensures stable system operation and safeguards business continuity.



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