RPS-2000

backstage monitoring system



Regular hardware requirement of RPS–2000 backstage monitoring system

Monitor options (colored flat square monitor):

1)When less than 15 protection and control devices are used in 10 KV/6 KV substations, a 19 inch monitor can be used.

2)When many protection devices are used in 35 KV substation or higher or 10 KV substation or lower, a 21 inch or larger monitor can be used.

3)In addition to the models required by the design institute, My company will follow the general Dell Machine whole configuration.



Options for monitoring computer:

1) 320G HDD or better;

2) 1G RAM or higher;

3) Processor frequency of 3.2GHz or higher;

4) Sound adapter, network interface controller, graphics card, CD–ROM, floppy disk drive, keyboard, mouse etc.;

Warning speaker: Edifier series;

UPS: back–up type and on–line type; both of 1KVA or higher; 1h;

Printer: HP A4

Communication cable: shielded twisted pair;

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System Introduction

RPS–2000 local monitoring system is developed on basis of the current computer–based general automation backstage monitoring system for substations and is produced under international standards. The system is a multi–window and multitasking system running on WINDOWS NT or WINDOWS 98 Operating system or later versions with simplified Chinese interfaces. The system is featured by the excellent stability in operation, high reliability and easy operation.

System performance

Due to the use of industrial controllers with high performance and high reliability, the mean time between failures (MTBF) is over 25 thousand hours. The modular design of software and the real–time database can be configured flexibly, which significantly improves the stability of the system. In addition, the system has good compatibility and reliability and it runs on WINDOWS NT or Windows 98 operating system or later versions. The open software platform can be easily expanded.

Backstage monitoring system

1. Data collection and monitoring
2. Collection of power quantity
3. Collection of remote metering
4. Collection of remote control data
5. Collection of remote communication data
6. Operation record
7. Human–machine interface
8. Overall management in substation
9. Remote maintenance functions