

-Power facility maintenance- UPS performance checks for IT equipment power outage protection

Digital oscillographic recorders help to prevent abnormal outages and data corruption of IT equipment.

- Large scale uninterruptible power supplies (UPS) are used for power failure protection in critical facilities such as data centers and hospitals. Important business divisions also use UPS systems as power backup for critical servers and computers. UPS operation timing can be checked for when there is power outage (including instantaneous outages).
- The RM1100 Digital Oscillographic Recorder can check waveform distortion and noise with UPS startup timing.

Rectangular wave output UPS track

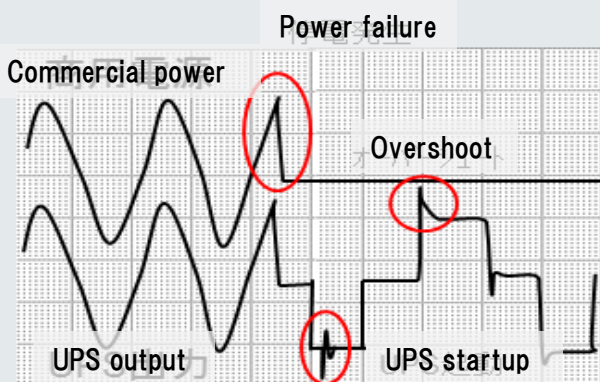
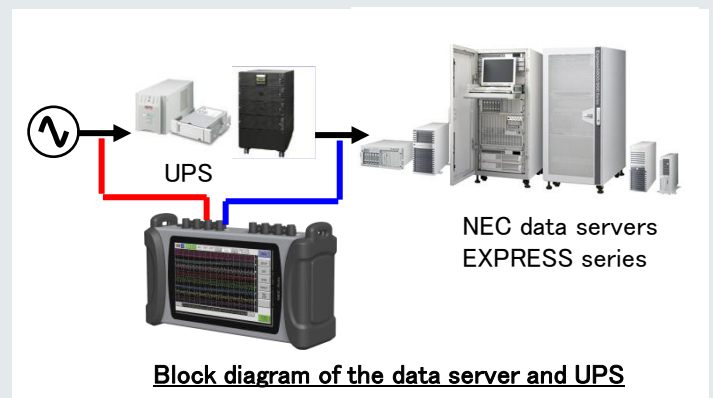


Image of instantaneous outage of commercial power and UPS startup



Grid-connected protective equipment for generator systems

Momentary voltage drops at power plants in parallel-in/off can cause outages in information equipment such as computers and OA devices if the voltage drop is greater than 10% of the rated voltage. Constant voltage should always be within 10% (90 V is the lower limit on 100 V system). Instantaneous voltage drops are typically thought to be around 0.3 seconds and UPS are installed for these situations. UPS output waveform are different depending on the model and output sine waveforms or square waveforms. Caution is required for square wave output devices as they may not work correctly depending on the connected device.

Digital Oscillographic Recorder

RM1100 series Omnilight

Did you know?

Data recorded with the printer for the RM1100 Omnilight. Additionally, data recorded to SD card can be displayed on the RA2300A Omnice.

