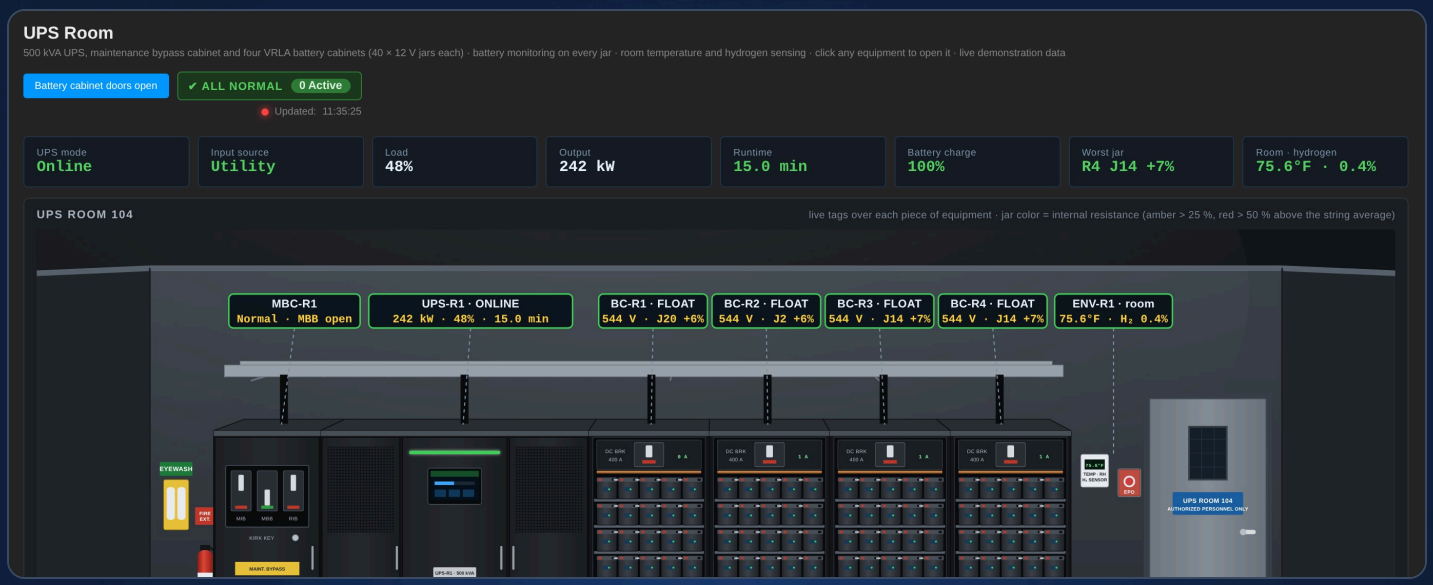
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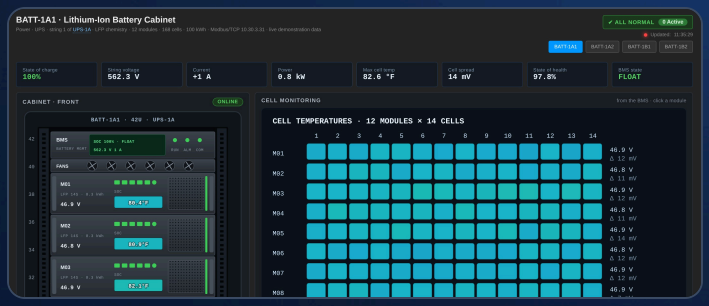
UPS BATTERY MONITORING

Lithium-ion or lead-acid. Every battery, watched.

Whatever batteries your UPS uses, the DM reads the UPS and the battery monitoring system you already have, and puts every cabinet, string, cell and jar on the same console as the rest of the facility.



UPS room, Regional Data Center. A 500 kVA UPS and four battery cabinets, every jar colored by its internal resistance.



Lithium-ion cabinet: every cell's temperature and module voltage, from the BMS.



Lead-acid cabinet: every jar's voltage and internal resistance, from the battery monitor.

FROM THE UPS

- On battery, on bypass, online
- Runtime and load
- Battery charge, voltage and temperature
- Blackout and brownout counts
- Battery test results

FROM THE BATTERY MONITOR

- Lithium-ion: cabinet and module charge, cell voltages and temperatures, health, BMS alarms
- Lead-acid: string and jar voltages, internal resistance, temperature, float current

ALARMS THAT MATTER

- UPS on battery, low runtime
- Cell or jar out of band
- Over-temperature
- Thermal runaway state
- Battery test failed, monitor offline

Connects over Modbus/TCP · Modbus RTU · SNMP · BACnet/IP · Liebert IGM | **Alerts by** email and SNMP trap