

CRITICAL POWER

Infra Inspection Services

ABB Electrification Industrial Solutions



InfraRed analysis allows you to quickly identify critical hotspots in a UPS system: a step into predictability and failure prevention.

Why infrared?

A UPS system contains several critical components: capacitors, batteries and power electronics. These components share three characteristics: their service life is highly affected by temperature, their heating-up is usually a sign of expected failure and, most important, their malfunctioning will have a destructive effect not only on the performance but on the UPS itself.

ABB InfraRed services allows identification of deviant thermal patterns in the system that often indicate (future) issues with aging components or loose connections. Thermal analysis pinpoints a weak component before it fails, thus increasing system reliability and reducing costly unscheduled maintenance.

Non-intrusive, non-contact infrared thermography is a fast and safe tool to check your system components and will thus have a significant impact on your troubleshooting and maintenance productivity.

Features & benefits

Hotspot identification

Identify (potentially destructive) hotspots in your UPS system, at board level or at system level, that would have been virtually impossible to detect in other ways.

Contactless operation

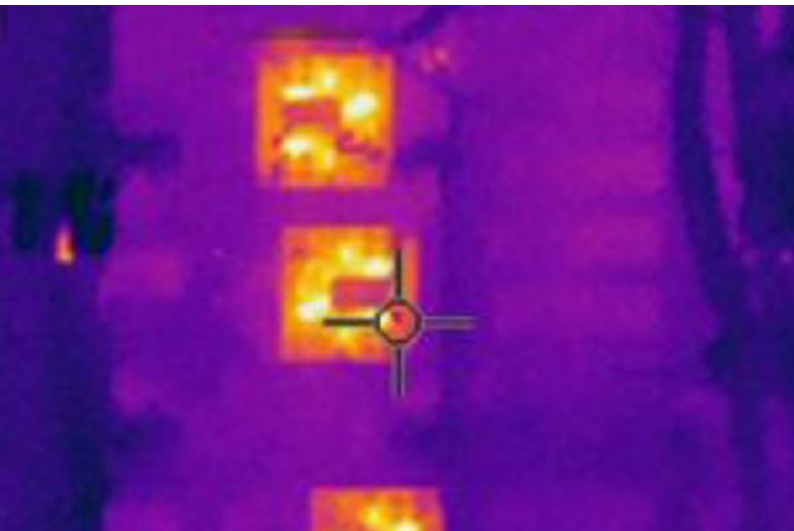
With infrared electrical inspection there's no need to physically touch any part of the system. This way work can be performed safely.

System Health Assessment

ABB UPS Service Team will provide a detailed report of the measurement taken with indication of any critical situation.

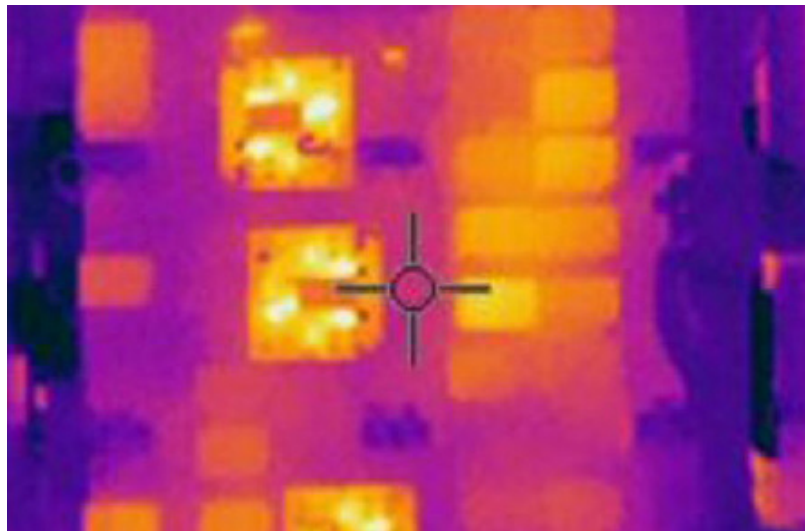
Critical UPS components

- Aging batteries
- Defective cabling
- Loose connections
- Deteriorating power electronics
- Capacitors
- Circuit breakers



01

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01 Printed circuit board,
normal situation
—
02 Failure ahead!



02

Improve preventative maintenance

Simply take a thermographic picture of critical components and detect potential problems in the early stage.

UPS Services

ABB's UPS Services offerings range far beyond standard product support: from on-site services for risk-reducing installation and startup, to availability services to help you proactively reduce downtime and meet your service-level commitments.

From installation to product retirement, warranty upgrades to remote monitoring, proactive care to 24/7 problem resolution, you can rely on ABB's UPS field service organization for all your electrical infrastructure support needs.

Contact us:
For more information, email us at service-ups@abb.com and visit us on the web at new.abb.com/contact-centers

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