iUPSGuard versus BMS
A comparison of operating functionalities

ABB’s UPS Remote Monitoring System (iUPSGuard) and local monitoring applications such as Building Management Systems (BMS) or Network Monitoring Systems (NMS) - a comparison of operating functionalities

**iUPSGuard**

iUPSGuard provides a number of functionalities versus standard local monitoring systems. It can alert customers and the UPS service organization if there is a critical alarm on the UPS 24X7 notify the alarm via mobile text messages. It is capable of monitoring UPS competitors through a proprietary network interface developed by ABB that monitors UPS via an SNMP protocol.

The iUPSGuard solution integrates a number of intelligent algorithms and predictive analytics based on the information received from the UPS that notifies when the UPS operating status deviates from normal activity.

iUPSGuard enables ABB to provide more accurate customer support, able to display online UPS configuration parameters and internal logs normally available only when field service engineers arrive at the site.

<table>
<thead>
<tr>
<th>Functionalities</th>
<th>iUPSGuard</th>
<th>BMS/NMS</th>
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<tbody>
<tr>
<td>Display 24x7 UPS measurements</td>
<td>+</td>
<td>+</td>
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<tr>
<td>Real-time email alarm notifications</td>
<td>+</td>
<td>+</td>
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<tr>
<td>Mobile text messages (SMS)</td>
<td>+</td>
<td>-</td>
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<tr>
<td>Competitor UPS monitoring</td>
<td>+</td>
<td>-</td>
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<tr>
<td>Intelligent algorithms to detect temperature growth trends</td>
<td>+</td>
<td>-</td>
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<tr>
<td>Predictive algorithms to detect UPS expected deviations</td>
<td>+</td>
<td>-</td>
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<tr>
<td>Explore UPS internal event log 4xxx/9xxx codes</td>
<td>+</td>
<td>-</td>
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<tr>
<td>Download UPS internal configuration parameters</td>
<td>+</td>
<td>-</td>
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<tr>
<td>Quarterly report with operation charts</td>
<td>+</td>
<td>-</td>
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<tr>
<td>Trigger UPS service for expert analysis</td>
<td>+</td>
<td>-</td>
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<tr>
<td>Real-time connection with ABB monitoring center</td>
<td>+</td>
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ABB 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.

Our Service Portfolio

ABB services are designed to provide the life-long operation of all our UPS systems. We have a range of service offerings to meet your requirements. We are at home in all areas of industry and business life, specializing in solutions and services for your electrical infrastructure.

On-site & emergency services
- 24/7 Emergency hotline
- Installation
- Commissioning, start-up
- Repair, upgrade, retrofit
- Assessment, inspection, testing
- Online assistance
- Battery measurement/monitoring

Parts and repairs
- Spare parts supply
- Repair services
- Product replacement/return
- Equipment rentals
- Battery replacement

Contractual services
- Maintenance service contracts
- Remote Monitoring & Diagnostics
- Preventive, planned maintenance
- Resident technical services
- Upgrade management
- Project & site management
- Consultancy and audits

Training
- Training for operators
- Training for maintenance staff
- Product training
- Trainer-to-student and web-based training