Power IQ® Features and Benefits

Features	Benefits
Vendor-Agnostic Management	Energy Efficiency — Through one web browser, monitor any device from major manufactures such as APC®, Avocent®, BayTech®, Chatsworth®, Cyber Switching®, Cyclades®, Eaton, Geist, HP®, Knurr®, Liebert, MRV®, NetBotz, Raritan, Rittal®, Server Technology®, Schneider Electric, Sinetica, Starline Track Busway, Tripp Lite, UNITE™, Veris®, and many other.
Autodiscovery of Rack PDUs	Accelerated Startup — Just enter an IP address and the number of IP addresses to scan to find and add your rack PDUs to the system.
Power Usage Effectiveness (PUE) Gauge and Chart	Increased Uptime and Energy Efficiency — Provides a relative measure of facility power versus overall IT equipment power, enabling you to identify ways to improve efficiency and uptime.
Data Center Health Map	Increased Uptime and Energy Efficiency — A real-time, interactive data center health map of your critical infrastructure, including CRACs, UPSs, Floor PDUs, Remote Power Panels, Racks, Rack PDUs, and IT Devices, improves uptime by helping you become aware of incidents before they become problems (such as hot spot formations, SLA violations, overcharges, and loss of redundancy).
Reports	
User-Configurable Dashboard	Operational Efficiency — Slideshow mode displays real-time updates for power and environmental health, rack cooling performance, energy capacity, forecasts and consumption, weather services, maps, videos, and much more on a large screen. Also allows you to configure screen size, layouts, and charts.
Smart Rack View	Operational Efficiency — Enables "one-click access" to rack power, cooling, humidity, airflow, events, and much more with drilldowns to information about rack contents, such as PDUs and IT devices.
Cooling Charts (Patented)	Energy Efficiency — Ensure compliance with manufacturer and industry-accepted recommendations and project how much energy you can save by increasing room ambient temperature. Supports free cooling operation with the display of ASHRAE recommended and allowable ranges.
Capacity Forecast Charts	Capacity Utilization — Forecast "days of supply" capacity at the rack, row, room, lab, or data center level. See actual data, forecast trends, and capacity limits on a line chart.
Capacity Gauge	Improved Capacity Utilization — See maximum, current, and minimum load on a capacity gauge at the rack, row, room, lab, or data center level.
Trend Analysis Charts	Reduce Downtime — Establish baselines and track long-term trends for energy consumption, power load, line current, temperature, and humidity. Avoid project delays and downtime due to lack of power supply or circuit overloads.
Carbon Footprint Charts	Peace of Mind — Certify usage change from one period to another to support carbon credit claims.

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Energy Billback Charts	Energy Efficiency — Drive energy conservation behavior by billing back energy consumption to users.
Failover Simulation Report	Improved Uptime — Ensure that all your cabinets passed a non-intrusive failover simulation test.
Ghost Server Report	Decreased Operational and Capital Expenses — Get the most out of your current data center power, cooling, and space with a report that identifies servers that are candidates for consolidation. This daily report is sent right to your email inbox.
PDU Health Charts	Reduced Downtime — Easily spot power health incidents before they become serious problems.
Tabular Reports	Efficiency — Autocreate and schedule formatted reports with easy distribution by email. Examples include reports for energy billback by customer, ghost servers and power hogs, and monthly peak power.
Tag Groups	Data Integrity — Create unlimited tag groups at any level within the system with easy-to-use tag pick lists to ensure data dictionary integrity and facilitate unlimited reporting.

Vendor-Agnostic Power Control

Agentless Graceful Operating System Shutdown and Outlet Control (Patented)	Energy Efficiency — Reduce energy costs under normal operations and extend battery life during power failure.
Remote Power On/Off of Outlets, IT Devices, Device Groups, and Racks	Operational Efficiency — Enable remote power on/off operation.
Power Control Solution	Integrate Power Control — Integrate CommandCenter Secure Gateway® and Power IQ to share information about devices.

Vendor-Agnostic Data Aggregation and Grouping

Dynamic Plugins	Allows you to collect trap, power, and environmental information from any device.
Data Grouping Via IT Device, Customer/Department, Rack, Row, Zone, and Building	Turns a large amount of detailed data into useful information to enhance capacity planning and energy efficiency initiatives.
Power Data Collection	Information Aggregation — Use one system to collect power data, including outlet current and active power, line current draw and available current, and unit active power and apparent power data.
Environmental Data Collection from Temperature and Humidity Probes	Energy Efficiency — Find hot spots in your data center.
User-Configurable Data Collection	Data Polling Customization — The data polling can be configured from 15 seconds to 24 hours.

User-Configurable Data Retention	Customizable Data Retention — Allows system administrators to control the data retention period.

Open Data Model and Web Service API

Open Database Connectivity	Flexibility — Use your own reporting system, such as Crystal reports or SQL, to store and analyze data. This can save training time and lets you create the exact custom reports you require.
Web Service API	Operational Efficiency — Easily integrates into your systems and tools for event management, PDU management, power and sensor data, data center modeling, asset strip management, and outlet management.
DCIM Solution	Operational Efficiency — Sunbird Power IQ and dcTrack DCIM solutions automatically share information about racks, PDUs and outlets. Add a rack in dcTrack and it automatically updates Power IQ. dcTrack displays rack PDU and sensor data collected by Power IQ.
Import and Export Data Via CSV File	Data Integrity — Leverage data and information between your DCIM, internal systems, and organizations.

Data Center Monitoring

Centralized Management	Operational Efficiency — Consolidates names, polling status, locations, models, and firmware for all your rack PDUs onto one screen and saves valuable management time.
Facility Object Monitoring	Energy Efficiency — Monitors health and collect data from all your facility objects, including CRACs, UPSs, Floor PDUs, Remote Power Panels, Rack PDUs, Branch Circuit Meters, Meters, and Sensors.
Branch Circuit Monitoring	Efficiency — Monitors all your branch circuits with any vendor's BCM.
UPS Support	Increased Uptime — Monitors your floor and rack UPS alarms, collect power and battery data, and displays long-term trend lines for watts, amps, and battery. Provides your output and pole load percentage, enables you to track battery details, such as status, capacity, and seconds on battery, and helps you know when your battery needs to be replaced.
Monitoring for Alerts and Threshold Violations	Decrease Downtime — Increases uptime by becoming aware of incidents before they become problems.
PDU System and Outlet Naming	Increased Efficiency — Provides a common tool to set names in bulk or individually to save time. Also allows you to save outlet names in an Excel® file for future reference and updates.
Bulk PX® System Configuration	Operational Efficiency — Saves time and improves accuracy for configuring common parameters for thousands of PDU devices.
PX Firmware Management	Operational Efficiency — Reduces the time it takes to administer Raritan PX

	firmware updates by helping to track and distribute those updates.
Rack Level Thresholds	Energy Efficiency — Set critical and warning thresholds by rack. Allows you to become aware of incidents before they become problems. Helps improve uptime by alerting you of loss of redundancy and resiliency.

Security

LDAP/AD Integration	Operational Efficiency — Easily centralizes corporate authentication policies.
Trusted Host Definition	Increased Security — Provides administrators with the option to restrict access to named hosts for a greater level of security.
AES Encryption up to 256 Bits	Data Encryption — Protects your data with the industry's most secure encryption standard.

Versatility

VMware® and Microsoft Hyper-V® Virtual Appliances	Efficiency — Runs on your VMware or Microsoft Hyper-V platform to save time, space, and energy.
Optional Appliance for Non-VM Enterprises	Flexibility — Easy-to-install enterprise server with dual mirrored hard drives, redundant power, and redundant fans.