Outlet-Metered Intelligent Rack PDUs and Sunbird DCIM

Customer Quotes

■ *"dcTrack has a lot of great features but the best feature by far is the Auto Power Budget feature... In my opinion it provides the most realistic power consumption from your devices on the market. If you have not seen this in action you should contact Sunbird for a demonstration right away."*

Mark W., Engineer

■ *"Power connectivity... takes into account your building's entire power chain. From the building UPS, up to your rack PDUs, utilizing any available management information those devices will offer up."*

Tony S., Sr. Information Tech. Analyst

■ *"Helps with power management to a granular level."*

Michael B., Data Center Engineer

The Importance of Outlet-Metered Intelligent Rack PDUs

Outlet-metered intelligent rack PDUs enable precise monitoring and management of power consumption at each outlet, providing device-level data that offers a granular view of power usage and capacity in the data center.

Sunbird's Data Center Infrastructure Management (DCIM) software complements outlet-metered intelligent rack PDUs by collecting, storing, alerting, and reporting on the data they generate, delivering actionable insights and enabling more informed decision-making.

Together, outlet-metered intelligent rack PDUs and Sunbird DCIM form a solution that helps maintain uptime, increase efficiency, and improve productivity.

Why You Should Consider the Combined Solution of Outlet-Metered Intelligent Rack PDUs and Sunbird DCIM

■ Auto Power Budget - A machine learning algorithm automatically sets a highly accurate power budget number for each server instance you deploy based on its actual load in your environment. This enables you to understand if you can deploy more servers in your existing rack space to defer capital expenditures. Customers report this feature helps them get up to 40% more utilization of their existing resources.

■ Load Shift Detection - An AI copilot detects and alerts when the load shifts from one power supply on an IT device to another, indicating a potential loss of redundancy that can threaten uptime.

■ Ghost Server Report - A built-in report identifies all your servers that are powered on but are drawing a very low power load which might indicate that they are not actively performing tasks. Decommissioning and removing them, if appropriate, can free up resources for other projects or improve airflow to other devices in the rack.

■ Device Mapping and Documentation - The model templates library provides a comprehensive repository of physical connection details for various devices, including intelligent rack PDUs. This includes information about the number and types of outlets, plug types, and cable specifications. This documentation makes it easier to map and record each PDU's physical connections, faciliating faster and easier deployments, maintenance, and troubleshooting.

■ Actionable Insights - Compare IT efficiencies, identify power hogs, and discover underutilized servers to implement targeted measures that increase efficiency.

■ Bill Back Reports - Report on energy consumption by business unit or customer to allocate energy costs fairly and accurately. This transparency incentivizes more energy efficient behavior and promotes accountability.

Outlet-Metered Intelligent Rack PDUs and Sunbird DCIM

Load Shift Detection
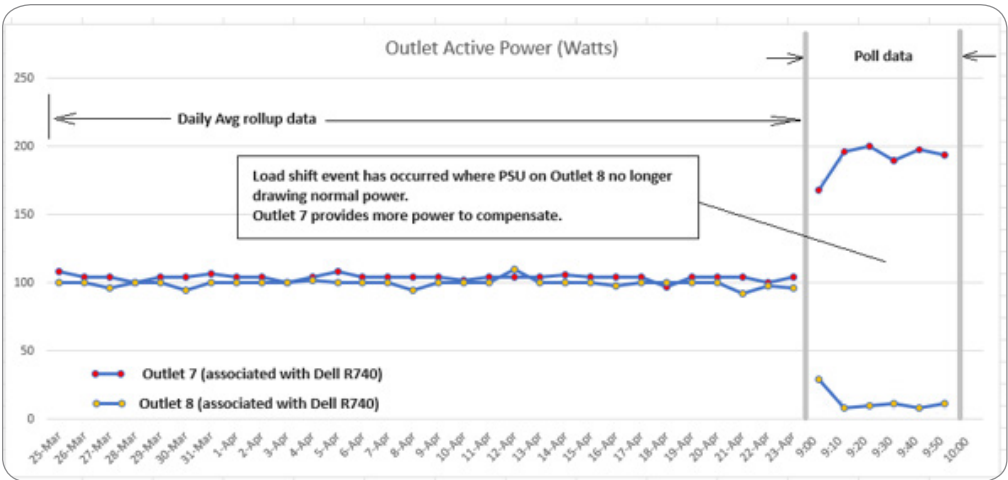
In this depiction of a load shift scenario, the left side is 30 days of daily rollup data and the right side is one hour of polled data taken every 10 minutes. Normally each power supply is using 100W to power the server. On the right, you can see that Outlet 8 has failed, and for the past hour the server has been running on just Outlet 7 which has had to increase its load to compensate.

Auto Power Budget

Sunbird collects and stores massive amounts of power data for Auto Power Budget calculations. Power budget profiles are created for each device instance based upon your power policies.

Ghost Server Report

Find and shut down energy wasting ghost servers. Our ghost server report identifies all your servers drawing less than 50W over a period of time. Inspect the min, max, and average power per server to spot your ghost servers.

Call 732.993.4476 or visit **SunbirdDCIM.com**

Sunbird Software is changing the way data centers are being managed. With a focus on real user scenarios for real customer problems, we help data center operators manage tasks and processes faster and more efficiently than ever before, while saving costs and improving availability. We strive to eliminate the complexity they have been forced to accept from point tools and home grown applications, removing the dependency on emails and spreadsheets to transform the delivery of data center services. Sunbird delivers on this commitment with unexpected simplicity through products that are easy to find, buy, deploy, use, and maintain. Our solutions are rooted in our deep connections with our customers who share best practices and participate in our user groups and product development process.

Based in Piscataway, NJ, Sunbird serves over 2,000 DCIM customers worldwide. For more information, please visit SunbirdDCIM.com.

Sunbird®
DCIM that's easy, fast, and complete