Auto Power Budget Feature

Data Sheet

Key Highlights:

- Automatically calculate power budget profiles for each device instance based on how they are used in your environment.
- Save money by utilizing stranded capacity that you can use to deploy more equipment in your existing facilities.
- Save time by eliminating the manual effort of calculating device budget values based upon nameplate deratings.
- Automatically calculate power budgets for devices with no history based upon power profiles of similar makes/models.
- Easily track and report on actual measured load, budgeted load, and stranded power capacity.
- Works with the outlet-metered intelligent rack PDUs you already own.

"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 Wright, Engineer, **Comcast**

Automatic Capacity Planning: Highly Accurate and Lowers Risk

Data center managers often struggle with the complexity of accurately planning and managing power capacity. The traditional approach to power budgeting—derating the server nameplate value to around 60% to 70%—is manual, estimated, largely inaccurate, and wastes money.

Sunbird's dcTrack® Data Center Infrastructure Management (DCIM) Operations software offers a new way forward with the patent-pending Auto Power Budget feature. Auto Power Budget automatically calculates an accurate power budget number for each make and model instance of a device based upon the actual measured load of that device in your environment running your applications.

Easy and Automatic Power Budget Calculations

- No More Manual Effort – Power budget values are automatically calculated for every individual server instance in your environment.
- Simplified with Machine Learning – Power budget numbers are automatically updated every week. Set your policy once and the software does the rest.
- Works with What You Have – Budgets are derived from real-time measured power readings from your intelligent rack PDUs with outlet level metering.

Highly Accurate to Find Stranded Capacity and Save Money

- Defer Capital Expenditures – Achieve greater utilization of your existing cabinet resources and defer building out unneeded capacity to save between $15,000 - $20,000 per cabinet.
- Power Budgets Automatically Set Specific to Your Workloads – Calculations are based on your devices' exact loads running your applications in your environment.
- Capacity Management on Steroids – Customers report improvements in rack power utilization by as high as 40%.

No-Risk Power Capacity Planning

- Data Collected by an Enterprise-Class Polling Engine – Calculations you can trust are made on analyzing measured readings over long periods of time such as past 30 days, past 90 days, or past year.
- Eliminate Human Error – The potential for miscalculations or failure to update budget values based upon changes and application workloads is removed from the equation so you confidently increase utilization without increasing risk.
- User-Configurable Power Policies – Built-in algorithms and policies you set ensure that budget values are accurate with your predetermined buffer or risk factor such as 5%.

Auto Power Budget Feature

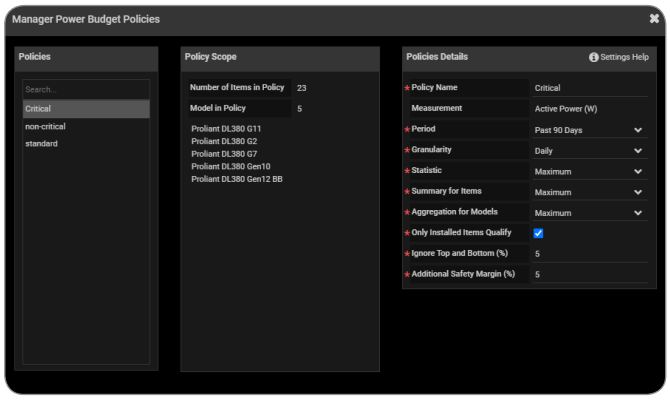
Data Sheet

Artificial Intelligence Data Analysis

Sunbird collects and stores massive amounts of power data for Auto Power Budget calculations.

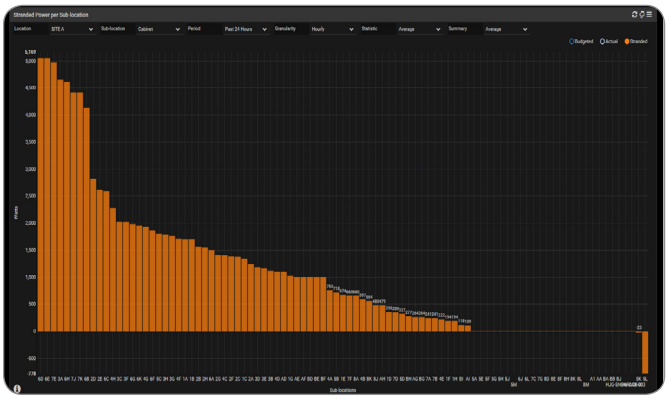
Auto Power Budget Policies

Power budget profiles are created for each device instance based upon your power policies.



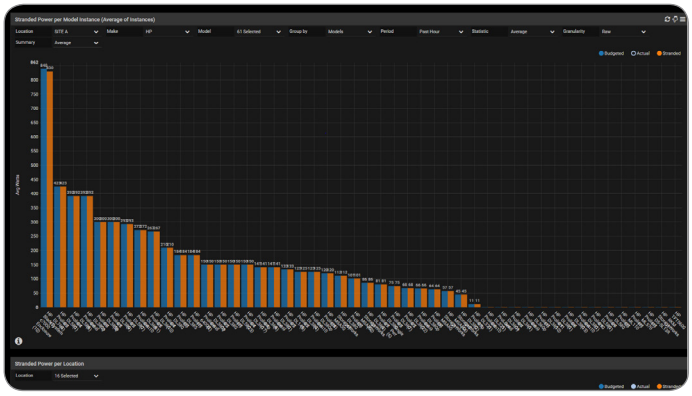
Utilization and Efficiency Metrics

Sunbird tracks and reports actual measured load, budgeted load, and stranded power capacity at the site, row, and cabinet levels.



Auto Power Budget Weekly Updates

For devices with no history, Sunbird sets budgets based upon power profiles of similar models then provides weekly automatic updates based upon measured history once available.



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 1,850 DCIM customers worldwide. For more information, please visit SunbirdDCIM.com.