Complete Direct Current Power Management



Sunbird DCIM software fully supports direct current power chain objects such as fuse alarm panel, battery distribution bay, battery distribution circuit breaker, battery distribution fuse bay, DC power system, rectifiers, and compute devices including servers, blade chassis, telecom gear, etc.

Our power chain management capabilities include the ability to fully build out your power chain to track capacities and utilization at every point including breakers and batteries. We enable rich 3D visualization for easy tracing of problems and provide useful reporting capabilities such as "what is connected to any object in the power chain?" so that you can understand redundancies and contact users during maintenance periods.

Asset Management

- Maintenance, lease, and configuration information
- Unlimited custom fields to track any attribute
- Models library with over 40,000 smart models across 450 manufacturers

Connectivity Management

- Build power and data circuits, including structured cabling
- Visual trace routes of port-level power and network paths
- Validation for physical connections and media types

Rich 3D Visualization

Sunbird provides rich 3D visualization which allows you to explore sites remotely.



DC Power Plant Details

DC Power Plant details page with complete information about rectifiers, batteries, plant panels, and audit trail.





Capacity Management

- Power, space, cooling, and connectors
- Search for and reserve capacity
- Find stranded power, space, and cooling capacity

Change Management

- Workflow for change requests
- Request approvals, status, and history
- Connect to ticketing and CMDB systems

Business Intelligence Dashboards

Our business intelligence dashboards allow you to track all your key performance indicators.



Rectifier Details

Rectifier details page with full specifications including the output voltage and current.

Hardware				Identity		Placement
Make				Name		Location
Model				Alias		Plant
Class/Subclass	DC Power System / Rectifier	lbs		Туре		Bay
Mounting	Non-Rackable / Fixed	RU		Function		Rails Used
H x W x D (in)				Customer		U Position
						Orientation
Serial Number				Status 🔮	Planned	
Asset Tag						Location Refere
eAsset Tag						
Custom Fields	Asset and Maintenance		a-0 Ports Aud	ik Trail		
Custom Fields	Asset and Maintenance	Configuration Dat	a - 0 Ports Aud	lit Trail		
Rectifier Specificatio						
Output Cepecity (A)	600					
Output Voltage (Vdc)						
Rectifier Belongs To						
Plant 🕑						
Index						

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Complete Direct Current Power Management

DC Power Consumer Devices

DC power consumer devices with dual 48 volt power supplies. See in cabinet elevation view.

Hardware			Identity				
Make			Name		ARITY8		
Model	PowerEdge R610		Alias				
Class/Subclass	Device / Standard	lbs 39	з Туре				
Mounting	Rackable / Fixed	RUs 1	Functio				
H x W x D (in)			Custon	er Huma	n Resources		
Serial Number			Status	Plann	ed		
Asset Tag							
eAsset Tag							
Custom Fields	Asset and Maintenance	Configuration Data - 6 F	Ports Power Supply - 4 F	orta Break/Fit	< Tracking	Audit Trail Parts	Cage Det
			Inspector 💡 Get Readings				
Port Name Prefix			Effectiv	Power 860			
Quantity			Potenti	l Power 1290			
Redundancy							
		ed Item 🗸 Circuit Sta	atus 👻 Power Supply Part				Phase Type
 Port Name 							
 Port Name PS1 	1 🕑 FAP	-01:Outlet 2 Planned				Hardwired	Direct Curre

DC Power Chain Visualization

Full DC power chain visualization and redundancy validation with budget and actual measured power.



DC Power Panel Schedule

Keep track of your DC power panel schedule including poles, breaker ratings, measured amps, and available power.

Application Note

Hardware					Identity				Place		
Make					Name	80088-01-051			Loca	tion	
Model											8 80088-01
Class/Su	bolasis DC Distrib								Rafe		
Mounting					Function				U Po	sition	
HxWxD					Customer						
Serial Nu Asset Tay eAsset Ta					Status	9 Planned			Loca	tion Reference	
_	43 Poles, 9 Breakers		Asset and Maintenance	0 Ports							
Pole	Breaker Rating	Connected Nem			of Connected Herry		Free kW (t				
1,2,3,4	Breaker Rating 4-Pole 30 A -48 V	Connected Item FAP-01 Solet 1		Cabinet 70	of Connected Item		2.82	() A (M) 40			
					of Connected Item						
1,2,3,4	4 Pole 80 A -48 V				: of Connected Ivern		2.82	40			
1,2,3,4 5,6,7 8,9	4 Pole 30 A -48 V 3 Pole 60 A -48 V				of Connected Ivern		2.82	40			

3D Visualization of Power Chain

3D visualization of power chain from power plant to compute device. See where your redundant power sources are.



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.

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