



Data Center Operation: Energy Cost

Instant overview of rack energy usage

Cost analysis of energy use on a kW/h basis, detailed to the rack level, for calculating cost of energy consumption for specified equipment and aid in charge back and efficient budgeting

Data Center Infrastructure Management Application for StruxureWare Data Center Operation Suite

> The StruxureWare Data Center Operation: Energy Cost module provides an Energy Usage Report, which shows energy consumed within the data center by the kWh and cost per kWh, detailed to the rack level.

> The energy usage is based on metered data, gathered over a specified period of time. If no metered data is available, estimated power draw will be calculated based on the power draw of the individual IT assets or nameplate values.

> The Energy Usage Report provides the option of including an overhead factor accounting for energy losses through Power Usage Effectiveness (PUE). The report can be customized based on optional groupings by use of tags, such as department, tenant, purpose, density etc.

Rack	Location	Usage (kWh)	Adjusted Usage (kWh)	Cost (\$)
Rack 7 *	D/Berlin DC/Berlin/Emea/	1,266.29	168,416.30	3,705,158.89
Rack 5 *	E/Berlin DC/Berlin/Emea/	18,867.84	2,509,422.72	55,207,299.84
Rack 11 *	F/Berlin DC/Berlin/Emea/	9,624.38	1,280,043.07	28,160,947.58
Rack 4 *	F/Berlin DC/Berlin/Emea/	5,505.60	732,244.80	16,109,385.60
Rack 8 *	E/Berlin DC/Berlin/Emea/	6,472.80	860,882.40	18,939,412.80
Rack 3 *	A/Berlin DC/Berlin/Emea/	1,759.56	234,021.48	5,148,472.56
Rack 9 *	D/Berlin DC/Berlin/Emea/	1,266.29	168,416.30	3,705,158.89
Rack 1 *	F/Berlin DC/Berlin/Emea/	13,418.78	1,794,698.27	39,263,361.98
Rack 2 *	B/Berlin DC/Berlin/Emea/	1,092.19	145,261.54	3,195,753.79
Rack 2 *	E/Berlin DC/Berlin/Emea/	8,332.80	1,108,262.40	24,381,772.80
Rack 6 *	D/Berlin DC/Berlin/Emea/	1,358.54	180,686.35	3,975,099.74
Rack 4 *	D/Berlin DC/Berlin/Emea/	1,266.29	168,416.30	3,705,158.89

The report is based on measured data if available, otherwise adjusted nameplate values.



Customized reports can easily be shared with all stakeholders through support of various file formats (html, csv, excel and pdf).

Features & Benefits

Energy Usage	Benefits
Energy charge back	Shows the cost of energy consumption for specified equipment on room and customer level, for aiding charge back
Calculations based on PUE	Includes an overhead factor or Power Usage Effectiveness (PUE) for calculating actual energy usage
Measured or nameplate data	The report is based on measured data if available, otherwise adjusted nameplate values
Reporting Capabilities	Benefits
Energy usage report	Enables accurate cost analysis of energy use on a kW/h basis, detailed to the rack level
Adapt to local costs	Provides the option of calculating energy usage based on local costs and currency
Export of reports	Customized reports can easily be shared with all stakeholders through support of various file formats (html, csv, excel and pdf).
Localization	User interface available in major local languages; English, French, German, Spanish, Russian, Traditional Chinese, Simplified Chinese, Japanese, Korean, Brazilian Portuguese & Italian.

Prerequisite:

StruxureWare Data Center Operation

Product Module Options:

Data Center Operation: Capacity
 Data Center Operation: Change
 Data Center Operation: IT Optimize
 Data Center Operation: Energy Efficiency
 Data Center Operation: Energy Cost
 Data Center Operation: Insight

Enhancement Options:

Data Center Operation: VIZOR
 Data Center Operation: Mobile
 Data Center Operation: Dashboard

Data Center Monitoring Option:

StruxureWare Data Center Expert

For further information, please visit:

www.apc.com/software