

Regarding Question 4, Page 3 of 8 – I am not aware of a standard. Load conditions vary based on the design of the data center (i.e. availability requirements and topology). You address this well in other parts of your document.

Question 5, Page 4 of 8 – The standard for power conditioning is the ITI Curve.
<http://www.itic.org/resources/iti-cbema-curve/> I am not aware of a way to “right-size” power conditioning based on the application.

For purchasers of UPS modules, a standard way to report on efficiency at all load levels (from 0% to 100%, perhaps at 10% increments) would be invaluable. I believe most data center operators would prefer to have a UPS that operates efficiently at all levels while still providing a high level of reliability.

To the extent UPS and stored energy is evaluated from efficiency, it may be worth also considering that certain types of UPS (and especially batteries) may require a certain temperature range for optimal operation – which usually requires air conditioning energy.

Thanks,
John Sasser | Operations Manager | **Sabey DataCenter**