

Energy Star for UPS

Our Comments on Final Spec

Firstly, CyberPower would like to say:

- We are honored to participate in the process and to have the opportunity to input our suggestions.
- CyberPower will continue to support the development of the UPS specification.

Our comments on final spec:

- The current weighting of efficiency calculation of small datacenter UPS ($P < 1.5\text{kW}$, VI/VFI) is NOT reasonable (never counts 25%).
- In fact, lot of small and medium companies deploy small UPSs in their server room to support single important server (load $< 25\%$).
- It is not correct that we simply ignore the scenario of 25% load.
- Enterprise users will definitely avoid 100% load situation (easy to be overloading) in order to keep their important server away from risks (current weighting of 100% load is too high).

The weighting we propose:

The current weighting: ↓

Output Power, P, in kilowatts (kW)	Input Dependence	Proportion of Time Spent at Specified Proportion of Reference Test Load, $t_{n\%}$			
		25%	50%	75%	100%
$P \leq 1.5$ kW	VFD	0.2	0.2	0.3	0.3
	VI or VFI	0	0.3	0.4	0.3
1.5 kW < $P \leq 10$ kW	VFD, VI, or VFI	0	0.3	0.4	0.3
$P > 10$ kW	VFD, VI, or VFI	0.25	0.50	0.25	0

We propose the following: ↓

Output Power, P, in kilowatts (kW)	Input Dependence	Proportion of Time Spent at Specified Proportion of Reference Test Load, $t_{n\%}$			
		25%	50%	75%	100%
$P \leq 1.5$ kW	VFD	0.2	0.2	0.3	0.3
	VI or VFI	0.2	0.3	0.3	0.2
1.5 kW < $P \leq 10$ kW	VFD, VI, or VFI	0	0.3	0.4	0.3
$P > 10$ kW	VFD, VI, or VFI	0.25	0.50	0.25	0

END

Thank you for the opportunity to comment.

CyberPower[®]