POWER
BACKUPS

How to Size a UPS

Electronic systems are critical to your business. They need UPS protection. The next question is: What size UPS works best for your systems? How do you ensure that your UPS will grow with you? Follow these simple steps to configure what size UPS your systems need:

1. List all equipment to be protected by the UPS. (Remember to include all monitors, terminals, external hard drives, hubs, modems, routers and any other critical equipment.)
2. List the amps and volts. These figures can be found on a plate on the back of the equipment. Multiply amps by volts to determine VoltAmps (VA). Some devices may list their power requirements in watts (W). To convert watts to VA, multiply watts by 1.4.
3. Multiply the VA by the number of pieces of equipment [Quantity] to get VA Subtotals.
4. Add the VA Subtotals to get a Total.
5. Multiply the Total by 1.2 to get the Grand Total.*
6. Use the Grand Total figure to select a UPS. When choosing a UPS be sure that the total VA requirement of supported equipment does not exceed the VA rating of the UPS.
7. Call Power BackUPS & Solutions, 336-228-0464. (US & Canada). Our Help Desk technicians will ensure that you use appropriate UPS technology and Power Management Software to match your systems' uptime needs.

*Step 5 is for future expansion. If you do not intend to add any more equipment to the UPS, skip step 5 and copy the total figure into the Grand Total box. You may want to oversize the UPS to take into consideration any future expansion needs. Choose a UPS with a VA capacity that is at least as large as your systems' total requirement.

Step 1	Step 2						Step 3		
Equipment	Amps	x	Volts	=	VA	x	Quantity	=	VA Subtotal
_____	_____	x	_____	=	_____	x	_____	=	_____
_____	_____	x	_____	=	_____	x	_____	=	_____
_____	_____	x	_____	=	_____	x	_____	=	_____
_____	_____	x	_____	=	_____	x	_____	=	_____
_____	_____	x	_____	=	_____	x	_____	=	_____
_____	_____	x	_____	=	_____	x	_____	=	_____
_____	_____	x	_____	=	_____	x	_____	=	_____
_____	_____	x	_____	=	_____	x	_____	=	_____
_____	_____	x	_____	=	_____	x	_____	=	_____
_____	_____	x	_____	=	_____	x	_____	=	_____
_____	_____	x	_____	=	_____	x	_____	=	_____
_____	_____	x	_____	=	_____	x	_____	=	_____
_____	_____	x	_____	=	_____	x	_____	=	_____
							Total (Step 4)		_____
							x 1.2 (Step 5)		_____
							Grand Total (Step 6)		_____