

Load Calculation Worksheet: Sizing a UPS

Circuit

Instructions:

- 1) List the equipment to be protected by the UPS. Include everything that will be connected to the circuit, including electronics and appliances.
- 2) List the amps, volts and watts for each device. This information is typically found on device and power supply labels and/or manuals and specification sheets. If the watt information isn't available, we'll be able to calculate it from the VoltAmp information as noted below.
- 3) Multiply the amps by the volts to determine the VoltAmps (VA).
- 4) If needed, convert VoltAmps to watts (W) by multiplying the VoltAmp total by 0.9. (1 VA = 0.9 W for most devices)
- 5) Add the total VoltAmps and watts.
- 6) Multiply the total VoltAmps and watts by 1.2 to accommodate for future system expansion and protection.
- 7) Use the grand total located on the bottom line to select a UPS. Ensure that the total VA and watt rating of the connected equipment does not exceed the VoltAmp and watt rating on the UPS.

Step 1	Step 2	Step 2	Step 3	Step 4	Step 2
Device	Amps	Volts	VoltAmps		Watts
	x	=		x 0.9 =	
	x	=		x 0.9 =	
	x	=		x 0.9 =	
	x	=		x 0.9 =	
	x	=		x 0.9 =	
	x	=		x 0.9 =	
	x	=		x 0.9 =	
	x	=		x 0.9 =	
	x	=		x 0.9 =	
	x	=		x 0.9 =	
	x	=		x 0.9 =	
	x	=		x 0.9 =	
	x	=		x 0.9 =	
	x	=		x 0.9 =	
	x	=		x 0.9 =	
	x	=		x 0.9 =	
	x	=		x 0.9 =	
	x	=		x 0.9 =	
	x	=		x 0.9 =	
	x	=		x 0.9 =	
Step 5	Total VoltAmps & Watts:				
Step 6	Future Expansion:		x 1.2		x 1.2
Step 7	Recommended UPS Power:				



Register for an account at:
FutureReadySolutions.com

