

WHAT IS THE “TOTAL LOAD” ON A UPS SYSTEM?

Related Products

UPS SYSTEMS

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In order to recommend a UPS for a particular application, we need to know how much power the devices you will connect to the UPS combined require. If you already know the total wattage, VA or kVA your equipment requires, key it in. The selector uses WATTS as the main measurement of power consumption, and any wattage values keyed in can be used “as is.” If you enter VA or kVA, you need to specify the power factor of the equipment. If this involves networking equipment or professional workstations with a power factor corrected power supply, use 1.0 as your power factor. If you're sizing for a basic home or home office desktop PC, use 0.7 as your power factor. If you don't know, using a power factor of 1.0 is your safest value. Advanced power factor options of .6 through 1.0 are available. The power factor entry simply converts your VA level to watts by multiplying the VA by the power factor ($VA \times PF = \text{watts}$), so if an in-between value for power factor is required, such as .65, you can enter that data by performing this calculation offline and entering the results as a WATT load value.