

# 4 STEPS TO TOTAL POWER PROTECTION

How to size and select the correct UPS for your application!

Building a cost effective UPS plan requires more than simply totalling the wattage of the equipment to be protected! There are 4 basic steps in any Power Protection plan.

Version 10.99AU



**Step One : ANALYSIS**

What level of protection do you want?				
Blackout Protection ?	Power-Sure ✓	PowerSure ProActive ✓	PowerSure InterActive ✓	Upstation GXT ✓
Input Voltage Fluctuation ?	Personal Power-Sure ✓	PowerSure ProActive ✓	PowerSure InterActive ✓	Upstation GXT ✓
Surge, Sag, Noise & Spike ?	Personal Power-Sure ✓	PowerSure ProActive ✓	PowerSure InterActive ✓	Upstation GXT ✓
What is the effect on business if the protected equipment is down?				
Inconvenient ?	Power-Sure ✓	PowerSure ProActive ✓	PowerSure InterActive ✓	Upstation GXT ✓
Costly ??	Power-Sure ✓	PowerSure ProActive ✓	PowerSure InterActive ✓	Upstation GXT ✓
HALTED ???	Power-Sure ✓	PowerSure ProActive ✓	PowerSure InterActive ✓	Upstation GXT ✓
How sensitive is your protected equipment?				
Average ?	Power-Sure ✓	PowerSure ProActive ✓	PowerSure InterActive ✓	Upstation GXT ✓
Medium ?	Power-Sure ✓	PowerSure ProActive ✓	PowerSure InterActive ✓	Upstation GXT ✓
High ?	Power-Sure ✓	PowerSure ProActive ✓	PowerSure InterActive ✓	Upstation GXT ✓
What battery run times do you require?				
Standard ?	Power-Sure ✓	PowerSure ProActive ✓	PowerSure InterActive ✓	Upstation GXT ✓
10 /30 minutes (low loads) ?	Power-Sure ✓	PowerSure ProActive ✓	PowerSure InterActive ✓	Upstation GXT ✓
30 Minutes PLUS ?	Power-Sure ✓	PowerSure ProActive ✓	PowerSure InterActive ✓	Upstation GXT ✓

Having asked and answered the above questions & you now know which is the correct UPS for your application, its time to get out pencil and paper and work out sizing.

**Step Two : CONFIGURATION**

1. Make a list of all the equipment that requires protection.
2. Record the voltage and amps from the rating plate & multiply to calculate VA.
3. Tally up the VA total of all equipment. (If Watts quote, multiply by 1.4 to = VA)
4. It is recommended that you oversize your selection to allow for a degree of growth.
5. Refer to the tables over the page to select the correct size UPS.

**Step Three : INSTALLATION, TRAINING, MAINTAINING.**

Mission Critical equipment and UPS should be located so that it is **protected from heat, humidity, dust & tampering**. There is no such thing as "set & forget" power protection. **Train your network users on monitoring, alarms, shutdown and restart protocols.** Be aware of UPS **periodic automatic systems checks**, especially if your utility causes constant use of the batteries.

**Step Four : REVIEW**

**Make sure your power protection plans keep up with network computing plan. Its cheaper & safer!**

