

SIMPLE STEPS TO POWER PROTECTION

How to size and select the correct GE UPS for your Application !
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THE FOUR BASIC STEPS:

Step One: Analysis

What level of protection do you want?				
Blackout Protection ?	ML Series ✓	Match Series ✓	NetPro Series ✓	LanPro Series ✓
Input Voltage Fluctuation ?	ML Series ✓	Match Series ✓	NetPro Series ✓	LanPro Series ✓
Surge, Sag, Noise & Spike ?	ML Series ✓	Match Series ✓	NetPro Series ✓	LanPro Series ✓
What is the effect on business if the protected equipment is down?				
Inconvenient ?	ML Series ✓	Match Series ✓	NetPro Series ✓	LanPro Series ✓
Costly ??	ML Series ✓	Match Series ✓	NetPro Series ✓	LanPro Series ✓
HALTED ???	ML Series ✓	Match Series ✓	NetPro Series ✓	LanPro Series ✓
How sensitive is your protected equipment?				
Average ?	ML Series ✓	Match Series ✓	NetPro Series ✓	LanPro Series ✓
Medium ?	ML Series ✓	Match Series ✓	NetPro Series ✓	LanPro Series ✓
High ?	ML Series ✓	Match Series ✓	NetPro Series ✓	LanPro Series ✓
What battery run times do you require?				
Standard ?	ML Series ✓	Match Series ✓	NetPro Series ✓	LanPro Series ✓
10 /30 minutes (low loads) ?	ML Series ✓	Match Series ✓	NetPro Series ✓	LanPro Series ✓
30 Minutes PLUS ?	ML Series ✓	Match Series ✓	NetPro Series ✓	LanPro Series ✓

Having asked and answered the above questions & you now know which the correct UPS for your application is; it's time to get out a pencil & paper, to 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. E.g.: 50 Amps X 240 = 12000VA (or / 1000 = 12Kva)
3. Add up the VA total of all equipment. (If Watts quote, multiply by 1.4 to equal 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 and Maintaining

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

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Step Four: Review

Make sure your power protection plans keep up with your network-computing plan. It's cheaper and safer !

Note: All figures below are calculated at 100% full load capabilities

Workstation Applications in Minutes			
VA	ML500	Match 500	Match 700
50	66	73	151
100	34	35	77
150	21	21	51
200	15	15	37
250	11	11	29
300	8	8	23
350	6	6	19
400	5	5	16
470	4	4	13
500	3	3	11
600			9
700			6

Server Applications in Minutes				
VA	Match 1000	Match 1500	Match 2200	Match 3000
100	106	180	207	270
200	57	98	107	143
300	38	66	71	96
400	28	49	52	71
500	21	39	41	56
600	17	31	33	46
700	14	26	28	39
800	11	22	24	33
900	9	19	20	29
1000	8	17	18	26
1200		14	14	20
1500		9	10	15
1600			9	14
1800			7	12
2000			6	10
2200			5	8
2400				7
2600				6
2800				5
3000				5



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