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## Inverter Usage Worksheet

Thank you for your interest in Ultimate Power's product line of DC to AC Power Inverters, Battery Separators, Lithium Ion Batteries and support products. Our carefully designed products are efficient, durable and give superior value at an affordable price. Please fill out the questionnaire below and fax or email it to us and we will reply promptly with our recommendations.

### Contact Information

Name: \_\_\_\_\_ Phone: \_\_\_\_\_  
Company: \_\_\_\_\_ E-mail: \_\_\_\_\_

### Determining the Inverter Load

- 1) **List Tools and approximate Run Times** (Please refer to chart below and select the devices you wish to run on the inverter with their estimated run times).

### Vehicle Requirements

- 2) **List vehicle model year, vehicle model, engine and alternator size:**

Year: \_\_\_\_\_ Model: \_\_\_\_\_ Engine: \_\_\_\_\_ Alternator Size (amps): \_\_\_\_\_

- 3) **Can the vehicle engine run during heavy load time?** \_\_\_\_\_

- a. Typical 12 Volt Starting Battery capacity is 40 Amp-Hour.
- b. A Heavy duty alternator (140 amps) can supply up to 80 Amps at idle

- 4) **Will you be using an Auxiliary Battery?**

Model Type: \_\_\_\_\_ Amp Hour Rating (AHR): \_\_\_\_\_

- 5) **Cable Requirements:**

- a. Distance from Chassis battery to inverter: \_\_\_\_\_
- b. Distance from Chassis battery to auxiliary battery: \_\_\_\_\_
- c. Distance from auxiliary battery to inverter: \_\_\_\_\_

- 6) **Are you replacing a competitive model** (Competitive inverter model used for comparison)

Model: \_\_\_\_\_

I want to thank you for your time and to let you know that we value your business.

Matt Spruck  
President

When selecting a power inverter from Ultimate Power, please make sure it has enough power for your appliance. Just add together the watts for each item you may want to run at the same time. Keep in mind to also add about 10% to the total wattage to ensure you will have enough power to meet your needs.

The AC Amps/Watts for the appliances listed below is estimated across a number of different manufactures; please check your owner's manual or the appliance itself for the actual amps/wattage required. Doing this will ensure you select the correct inverter the first time.

Category	Device	Amps (AC)	Watts (AC)	Run Time
Tools	Air Compressor 1hp	16.7	2000	
Tools	Airless Sprayer 1/2hp	5.0	600	
Tools	Band Saw	10.0	1200	
Tools	Chop Saw	12.9	1550	
Tools	Circular Saw-7 1/4"	13.0	1560	
Tools	Circular Saw-8 1/4"	15.0	1800	
Tools	Compound Miter Saw 12"	15.0	1800	
Tools	Cordless Tool Battery Charger - 14.4V	2.0	240	
Tools	Cut Off Saw	8.3	1000	
Tools	Disc Sander	10.0	1200	
Tools	Drill 1/4"	2.1	250	
Tools	Drill 3/8"	4.2	500	
Tools	Drill 1/2"	6.3	750	
Tools	Electric Chain Saw 14"	10.0	1200	
Tools	Grinder-4"	7.5	900	
Tools	Impact Wrench	7.5	900	
Tools	Jig Saw	2.5	300	
Tools	Pipe-Threader	15.0	1800	
Tools	Planer-3 1/4"	5.0	600	
Tools	Portable Grinder	11.5	1380	
Tools	Rotary Hammer- 1 1/8"	7.0	840	
Tools	Sabre Saw	4.2	500	
Tools	Sawzall	13.0	1560	
Tools	Shop Vac 12 Gal, 5hp	10.0	1200	
Tools	Table Saw	15.0	1800	
Pumps	Well/Sump Pump 1/2hp	8.8	1050	
Pumps	Well/Sump Pump 1/3hp	6.7	800	
Electronics	Cell Phone	0.2	24	
Electronics	iPod	1.0	120	
Electronics	Laptop Computer	1.8	216	
Electronics	Printer (Inkjet)	0.6	75	
Appliances	Coffee Pot (4 cup)	5.4	650	
Appliances	Microwave 700W	5.8	700	
Appliances	Refrigerator-4.2 Cu Ft	0.6	71	
Other				
Other				
Other				
Other				

Some basic formulas and rules for estimating:

1. Watts = Volts x Amps
2. For a 12 volt inverter system, each 100 Watts of load on the inverter requires 10 Amps from the battery or alternator.