



MOBILITY IS EVERYTHING!

No Power? The Patented X3 Energy Portable Power System is The Solution!

Applications:

- A micro grid providing reliable clean energy for troops in the war zone where power for communications and equipment can be life or death.
- Providing power for emergency care units in power outages.
- A main power supply for regions without the luxury of power.
- Powering research centers in remote areas.

Who We Are

About Us

A Woman Owned Small Business (WOSB), with our main focus on providing clean STORABLE energy for use even in the most remote areas on earth.

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U.S. Patent # 8,295,033

U.S. Patent # 8,654,512

& Other Patents Pending

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Clean Portable off Grid Power Generation and Storage



X3 Features

Immediate Power!!

The X3 Energy System is the total package. Utilizing clean solar and wind energy to provide power for whatever the demand is and storing the extra energy not being used in a large battery bank for later use. When the sun is not shining or the wind is not blowing enough to produce power the battery bank is there to fulfill your needs. If the battery banks are depleted the smart controls of the unit will turn on a diesel generator to guarantee continuous power. A-frame or gooseneck trailer styles are available for transporting the X3 Energy System.

The Base X3 Generation Sources

Solar Array:

Standard unit houses 20 solar panels attached to folding hinges for easy setup. The array can produce 5,000 Watts of power generation.

There is the option of adding additional panels to the array to increase the power produced from solar. Our patent pending Heated solar panels are available to ensure maximum efficiency for cold climate regions.

Wind:

Featuring a telescoping hydraulic boom for fast and simple wind turbine deployment. The wind turbine provides 5,000 Watts of power generation. There is also the option to customize power output of the wind turbine to meet the requirements needed.

Generator:

A diesel generator with smart controls, meaning if renewable energy is not producing the required power then the generator will automatically turn on to fill in the power demand. Generators vary from 15,000 Watts to 50,000 Watts depending on the application.

*The Satisfaction of
Knowing There Will
Always Be Power*



Energy Storage:

The technology which separates the X3 Energy System into its own category is the ability to store power produced in a large battery bank for later use. Battery bank size is easily changed by adding another bank to the existing one, this can be done until the capacity is met. Running exclusively off battery storage, power can be provided from 2 up to 6 days before recharge is necessary.

Unlike lead acid batteries which need special shipping that is expensive and can be dangerous if punctured. With the use of AGM (Absorbed Glass Mat) batteries which have the electrolyte in the glass mat replacing the harmful acid. With AGM you have higher storage capabilities, maintenance free, consistent and stable voltages, and are not hazardous if punctured. Storage rating depends on what power production combination you choose.

Guide to Choosing the Best Battery Bank for Your Needs

Steps:

1. Calculate the amount of power you use; if your power bill is calculated by taking the monthly power consumption and dividing by the number of days in the month. (If the number is in kilowatts multiply by 1000 for the equivalent in Watts)
2. Take that number and match it to the Power Demand number that is closest. If it is between two, take the larger - as it is always better to have more then you need, rather than not enough.
3. Next, follow across the row and choose how many days you would like to be able to exclusively run off battery power.
4. Now that you have chosen the number of days, compare the three batteries at that day and use the battery type that is closest to rounding up to the next whole number. (For example; at 30000 Watts for one continuous day the AGM 2000 is 1.4, 2500 is 1.1, and 3000 is .9 racks of batteries needed. The best option would be to go with the 3000 series of batteries because; with the 2000 and 2500 series they would both round up to 2 racks.)

Banks Needed to Meet Draw Demand per Day																									
Power Demand		Amp Draw						Number of Days																	
Watt	hours	(Days)						AGM 2000						AGM 2500						AGM 3000					
		1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6
20000		1805.6	3611.1	5416.7	7222.2	9027.8	10833.3	0.9	1.8	2.7	3.6	4.5	5.4	0.7	1.4	2.2	2.9	3.6	4.3	0.6	1.2	1.8	2.4	3.0	3.6
25000		2256.9	4513.9	6770.8	9027.8	11284.7	13541.7	1.1	2.3	3.4	4.5	5.6	6.8	0.9	1.8	2.7	3.6	4.5	5.4	0.8	1.5	2.3	3.0	3.8	4.5
30000		2708.3	5416.7	8125.0	10833.3	13541.7	16250.0	1.4	2.7	4.1	5.4	6.8	8.1	1.1	2.2	3.3	4.3	5.4	6.5	0.9	1.8	2.7	3.6	4.5	5.4
35000		3159.7	6319.4	9479.2	12638.9	15798.6	18958.3	1.6	3.2	4.7	6.3	7.9	9.5	1.3	2.5	3.8	5.1	6.3	7.6	1.1	2.1	3.2	4.2	5.3	6.3
40000		3611.1	7222.2	10833.3	14444.4	18055.6	21666.7	1.8	3.6	5.4	7.2	9.0	10.8	1.4	2.9	4.3	5.8	7.2	8.7	1.2	2.4	3.6	4.8	6.0	7.2
45000		4062.5	8125.0	12187.5	16250.0	20312.5	24375.0	2.0	4.1	6.1	8.1	10.2	12.2	1.6	3.3	4.9	6.5	8.1	9.8	1.4	2.7	4.1	5.4	6.8	8.1
50000		4513.9	9027.8	13541.7	18055.6	22569.4	27083.3	2.3	4.5	6.8	9.0	11.3	13.5	1.8	3.6	5.4	7.2	9.0	10.8	1.5	3.0	4.5	6.0	7.5	9.0
55000		4965.3	9930.6	14895.8	19861.1	24826.4	29791.7	2.5	5.0	7.4	9.9	12.4	14.9	2.0	4.0	6.0	7.9	9.9	11.9	1.7	3.3	5.0	6.6	8.3	9.9
60000		5416.7	10833.3	16250.0	21666.7	27083.3	32500.0	2.7	5.4	8.1	10.8	13.5	16.3	2.2	4.3	6.5	8.7	10.8	13.0	1.8	3.6	5.4	7.2	9.0	10.8
65000		5868.1	11736.1	17604.2	23472.2	29340.3	35208.3	2.9	5.9	8.8	11.7	14.7	17.6	2.3	4.7	7.0	9.4	11.7	14.1	2.0	3.9	5.9	7.8	9.8	11.7
70000		6319.4	12638.9	18958.3	25277.8	31597.2	37916.7	3.2	6.3	9.5	12.6	15.8	19.0	2.5	5.1	7.6	10.1	12.6	15.2	2.1	4.2	6.3	8.4	10.5	12.6
75000		6770.8	13541.7	20312.5	27083.3	33854.2	40625.0	3.4	6.8	10.2	13.5	16.9	20.3	2.7	5.4	8.1	10.8	13.5	16.3	2.3	4.5	6.8	9.0	11.3	13.5
80000		7222.2	14444.4	21666.7	28888.9	36111.1	43333.3	3.6	7.2	10.8	14.4	18.1	21.7	2.9	5.8	8.7	11.6	14.4	17.3	2.4	4.8	7.2	9.6	12.0	14.4
85000		7673.6	15347.2	23020.8	30694.4	38368.1	46041.7	3.8	7.7	11.5	15.3	19.2	23.0	3.1	6.1	9.2	12.3	15.3	18.4	2.6	5.1	7.7	10.2	12.8	15.3
90000		8125.0	16250.0	24375.0	32500.0	40625.0	48750.0	4.1	8.1	12.2	16.3	20.3	24.4	3.3	6.5	9.8	13.0	16.3	19.5	2.7	5.4	8.1	10.8	13.5	16.3
95000		8576.4	17152.8	25729.2	34305.6	42881.9	51458.3	4.3	8.6	12.9	17.2	21.4	25.7	3.4	6.9	10.3	13.7	17.2	20.6	2.9	5.7	8.6	11.4	14.3	17.2
100000		9027.8	18055.6	27083.3	36111.1	45138.9	54166.7	4.5	9.0	13.5	18.1	22.6	27.1	3.6	7.2	10.8	14.4	18.1	21.7	3.0	6.0	9.0	12.0	15.0	18.1

Patent Pending New Feature

The POD (Power on Demand) is making power more compact for ease of transport. POD is an extra battery bank and inverter custom built to your specific needs; which plugs into the X3 unit to charge and can be disconnected to improve mobility time and size reduction. POD's can be made to last up to 6 days of continuous use; when the POD is depleted simply return to the X3, plug in and recharge. PODs can also be used to add addition days of use to the existing X3 unit's capacity.