



# VSP-225AH

The VSP-225AH generator is a power system that can supply up to 3500 W of household electricity and is an excellent alternative to a gas or diesel generator. It's quiet and has no fumes, fuel or moving parts – making it safe for indoor use.



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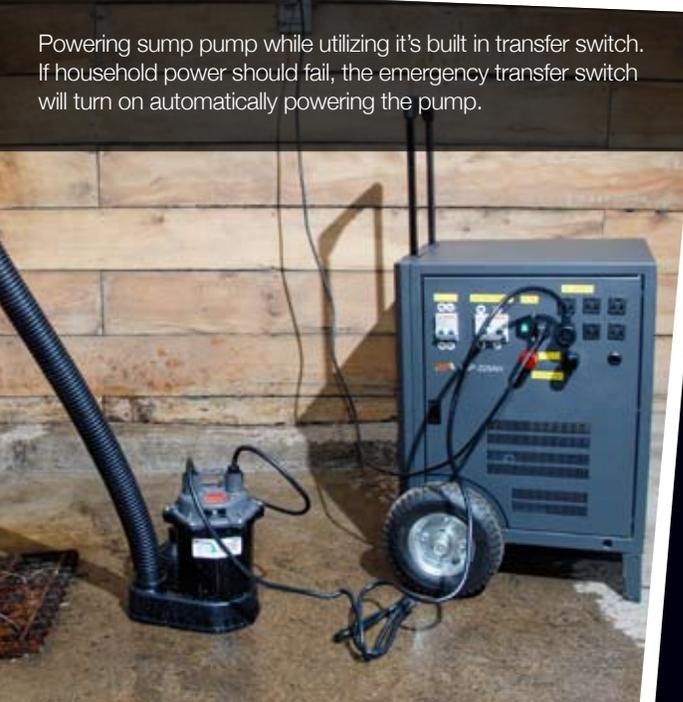
This mobile workhorse can also be used outdoors and operates a wide variety of electronics including: communication devices, power tools, full-size appliances, and more.

The VSP-225AH power system consists of a battery pack that stores electricity, advanced electronics that convert 12 volts of DC power from the battery pack to household power, an AC power panel that contains four standard outlets, and a DC power panel that is used to operate 12 volt products. Combined in a rugged cart, the VSP-225AH generator can be easily wheeled from room-to-room or outdoors over rough terrain.

## PRODUCT FEATURES

- 🐾 Built-in transfer switch
- 🐾 3500 watts of power
- 🐾 Noise and pollution free
- 🐾 Maintenance free
- 🐾 Clean, safe, reliable, silent power
- 🐾 Environment safe
- 🐾 Safe for all medical devices and sensitive electronics
- 🐾 Renewable energy source
- 🐾 Fully portable power source
- 🐾 Operates 120V AC or 12V DC
- 🐾 One 12 volt 225amp deep cycle sealed lead acid battery
- 🐾 High surge protection and automatic over-temperature and overload shutdown
- 🐾 Low voltage alarm and shutdown prevents deep battery discharge
- 🐾 Digital display confirms charge level, power consumption, if transfer switch is active, AC charge, and AC voltage output.
- 🐾 High power 12V DC connector
- 🐾 Four three-prong AC outlets

Powering sump pump while utilizing it's built in transfer switch. If household power should fail, the emergency transfer switch will turn on automatically powering the pump.





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**Boost cycle** lets you boost start a vehicle with the cables supplied

**Link circuit** lets you connect to two or more generators together to multiply the power. Example - one generator has 225 amps of power; connect another one with the supplied cable by simply plugging one end to the link plug-in on the first generator and the other end into the 2nd generator and now you have 450 amps of power and all your run times will be doubled.

**12V DC plug-in** for charging the generator from any vehicle or RV with the supplied cigarette lighter cord.

**Renewable energy** source plug-in for the optional whirlybird wind generator or solar charge system, or the vehicle roof top wind generator.

## ACCESSORIES

-  Retractable handle for easy towing and storage
-  Whirlybird wind generator system
-  Solar charge system
-  Vehicle roof top wind generator system
-  12 volt DC charge cable for charging from a vehicle or RV (supplied)
-  12 volt DC link cable for connecting multiple generators together (supplied)
-  12ft of 6 gauge booster cables (supplied)
-  AC charge cable to the accessories



Boost Cycle



Link Circuit



12V DC Plug-in



Renewable energy

## APPLICATIONS

**Emergency power:** operates essential appliances such as a fridge, cordless and cell phone, radio, fan, lamp, home security system, microwave, sump pump and more

**Work productivity:** operates power tools such as a drill, belt sander, circular saw and more; powers communication devices such as a laptop, desktop and monitor, printer, fax machine and more

**Indoor and outdoor recreation:** operates a TV, blender, video game console, portable cooler, coffee maker and more



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## PRODUCT SPECIFICATIONS

### 120 V AC / Optional 220 V AC

AC output power (continuous) 1350 W  
 AC output surge capacity (peak) 3000 W  
 AC output voltage 120 V AC  
 AC output frequency 60 Hz  
 AC output waveform Modified Pure Sine Wave  
 Inverter no-load current 0.30 amps

### 12 V DC

Internal battery type 2, 12 volt deep cycle sealed lead acid  
 Internal battery capacity 225 amp hours  
 Internal battery voltage 6 volt wired to internal battery voltage 12 volt

DC power socket (circuit breaker) 12 amps

*Note: Specifications may change without notice.*

## PRODUCT SPECIFICATIONS

Weight: 140 lb (60 kg)  
 Dimensions: 17" x 15.75" x 23.5"  
 (42.5 x 39.4 x 58.75 cm)  
 Warranty: 12 months

## CHARGING SYSTEM

AC charger bulk charging current 50 amps  
 Peak charging voltage 14.4 V DC  
 Float charge voltage 13.6 V DC  
 Charger input socket current 12 amps

*Note: Recharging time is based on using the supplied 50 amp charger, or charging from a vehicle lighter socket.*

BATTERY DISCHARGE LEVELS	100%	75%	50%	25%
Recharging time from 120 V AC (home)	4 h	3 h	2 h	1 h
Recharging time from 12 V DC (vehicle)	8-10 h (100% discharge)			

*Note: Recharging time is based on using the supplied 10 amp charger, or charging from a vehicle lighter socket.*

OFFICE APPLICATIONS	WATTS	RUNTIME <sup>1</sup>
Laptop	25	50 hr
Desktop computer	67	17 hr
20" LCD monitor	52	22 hr
Wireless modem/router	6	190 hr
Inkjet printer	8	145 hr
Table lamp	40	30 hr

<sup>1</sup>Runtime as measured on tested load.



Digital Display

EMERGENCY POWER APPLICATIONS	WATTS	RUNTIME
Cordless phone	5	245 hr
Clock radio	8	145 hr
13" CRT TV	45	28 hr
20" LCD TV	75	18 hr
18 cu. ft. fridge	120	10 hr
8.8 cu. ft. Freezer	80	15 hr
Sump pump 1/2 hp	300	5 hr
Home alarm system	5	245 hr
Microwave	1000	1.8 hr
7 1/4 circular saw	800	2 hr
3/8 corded drill	250	5.5 hr
Jigsaw	150	8 hr
Furnace fan	300	5 hr
Window air conditioner	800	2 hr



# VSP-225AH



Unit in use



Whirlybird plugged in



Solar charger plugged in