

PowerSTAT

Portable Power Source

Founded in 1983, Information Station Specialists is the nation's sole domestically owned source for Information Radio Stations, Advisory Signs and associated power sources used to broadcast safety and service messages to motorists, and the only source providing a product entirely made in America.



Pure Power that's Ready to Roll

The new PowerSTAT Portable Power Source consists of a pure sine wave-AC inverter plus high capacity charger with a hefty battery pack, all packaged in a convenient weather resistant portable case. Just charge it up at any standard 120VAC power outlet.



Inside or Outside Operation

Use PowerSTAT to provide 120-volt AC power indoors, where generators cannot run safely. The weather resistant case allows for outdoor operation as well.

Quiet Operation

PowerSTAT produces virtually no noise when it is charging up or providing power.

Pure AC Electrical Output

Run microprocessor-based devices such as computers and even sensitive medical equipment on PowerSTAT's pure sine-wave output.

Fresh Air

No fossil fuels are utilized, so there is no exhaust or pollution produced.

Electrical Fuel

PowerSTAT can function in emergencies when electricity is available but fuels such as gasoline or diesel are in short supply.

Better than a Generator

Unlike many generators, PowerSTAT always starts. Its power output lacks the noise inherent in electricity from generators that can cause hum and static in electronic equipment. Its cost to operate is almost zero, since expensive petroleum products are not required. And run-time can be substantially longer than many generators, which are limited by the size of their fuel tanks.

High Capacity

Power a computer, refrigeration equipment or telecommunications gear for up to a day, or even more, due to PowerSTAT's robust 160-AH battery pack and 1800-watt output. Runtime depends upon the total wattage of the equipment that's plugged in.

Fast Turnaround

PowerSTAT recharges fully in about 10 hours at any standard AC outlet (20A circuit). Much less time is required if the unit is only partially discharged. This means you can shuttle multiple units from powered to unpowered locations in an emergency to maintain the operation of mission-critical equipment.

Backup Power

PowerSTAT can serve as an online power backup for key equipment. Should AC power drop, PowerSTAT kicks in instantly to maintain the equipment's operation. When AC power is restored, PowerSTAT will charge its batteries automatically to get ready for the next use.

Quotation

Bill Baker (Bill@theRADIOsource.com or phone 616.772.2300, extension 102) can provide a formal quote. Lease-to-own programs are available. Illustrated instruction manuals come with the product.



Technical Specifications

MODES OF OPERATION

Inline power supply.
Rechargeable battery/inverter system.

WEIGHT

210 lbs.

CASE SIZE

23" high by 28.25" wide by 30.5" deep (doors on).
21" deep (doors off).

VIBRATION

Shock resistant.

MECHANISMS FOR PORTABILITY

2 handles require 2 persons minimum to lift.
1 retractable tow handle and wheels require one person to pull.

2 SECURITY DOORS

4 TSA latches each lockable.

MOISTURE TIGHTNESS

Water resistant.

MAX ELECTRICAL WATTAGE/AMPERAGE OUTPUT

Continuous 2.0kW/15A @ 40° C max ambient.
Surge 4.5kW/37A for 5s.

ELECTRICAL WATTAGE/AMPERAGE INPUT WHEN CHARGING & WHEN IDLE (NO LOAD)

Max 840W/7A.
Idle 60W/.5A.

BATTERY CAPACITY IN AH

160AH.

NUMBER & STYLE OF BATTERIES

2 - M24 gel.

RECHARGE TIME WITH FULLY DISCHARGED BATTERIES

10 hours.

INFORMATION AVAILABLE ON DISPLAY

AC voltages & amps in & out.
DC voltage & amps in & out.
Configuration details.

BREAKERS & FUSES

Output powers 15A.
Battery Breaker 300A.
Display panel fuse 1A AGC.

INVERTER/CHARGER

CSA/NRTL approved to CSA 107.1, UL458 (including Marine Supplement) & UL1741.
Complies with ABYC recommended practices E-8, 9, A-20 & A-25 for marine use.
Compliance to KKK-A-1822D for use in 'Star-of-Life' ambulances, available on request.

CERTIFICATION

All components are UL listed.

Electrical Charge Modes Specifications

AC INPUT	
Operating Voltage Range	90-135 VAC
Nominal Current	15AAC @ 100A charge 120VAC in
Power Factor (100A charge, 120VAC in)	≥ 0.98 on sine input
Nominal Frequency	60Hz
AC OUTPUT	
Outlet	Duplex (1) medical grade
DC OUTPUT	
Nominal Voltage	12.0 VDC
Min Battery Charging Voltage	0.0VDC
Max Output Voltage	17.5VDC
Nominal Output Current	50A @ ≤ 15.0VDC
Equalize Mode Max Current	≥ 10A @ ≤ 17.5VDC
Charger Current Derating	Automatically lower charger current as internal temp exceeds 80°C, input VAC approaches low transfer & AC input current approaches 80% of breaker setting.
Efficiency at Nominal Output	≥ 84%
OTHER	
Battery Type Settings	Gel, flooded, AGM, Pb-Ca
Battery Size Settings	50-2000 Ahr
Charge Algorithms	Custom 3-stage with factory default set points. Custom 2-stage as above. Manually engaged, equalize, with factory defaults. CV/CC. user programmable set points.
Independent Battery Banks	1
Temperature Range	-20C to +60C - operating* -40 to +60C - storage *Derating above 40C
Battery Life	4 to 5 years (750 to 1000 cycles)



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