



## THE RIGHT SYSTEM FOR YOU

Choosing Your Power Source

Generator systems are able to provide large amounts of power for long periods of time. Inverter/battery systems offer instant power without noise, fuel or pollution.

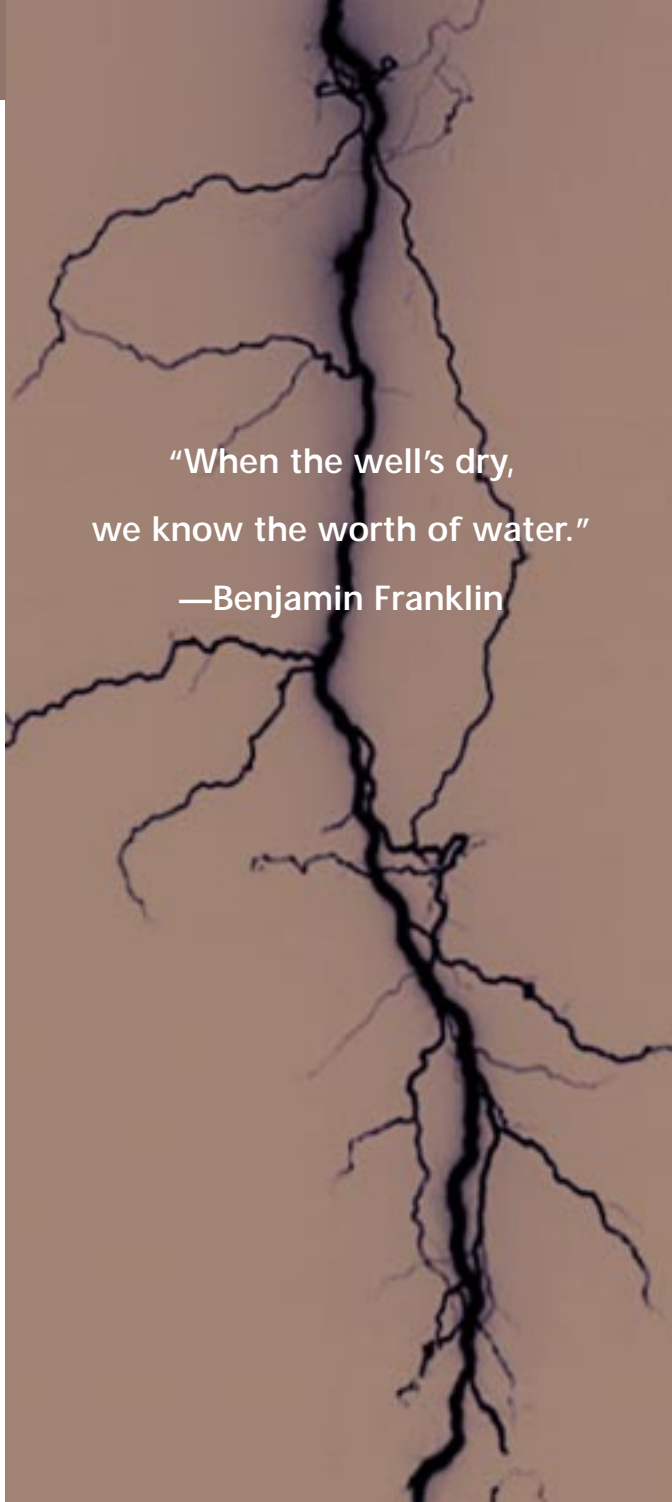
Working together, these two technologies deliver unparalleled backup power performance.

### Trace inverter/generator systems offer:

- Instant power backup
- Totally automatic operation
- Low noise, low fuel consumption
- High power output
- Indefinite run time
- Outstanding reliability
- Intelligent generator control

Renewable energy sources such as solar can provide year-round energy savings in addition to backup power. Solar panels are silent, maintenance-free and require no fuel other than sunlight.

Renewable energy rebates are available in some areas. Check with your state energy commission. You may even be able to sell excess renewable power back to your local utility — by running your electric meter backwards! Trace systems are also compatible with future power technologies, such as fuel cells.



“When the well’s dry,  
we know the worth of water.”  
—Benjamin Franklin

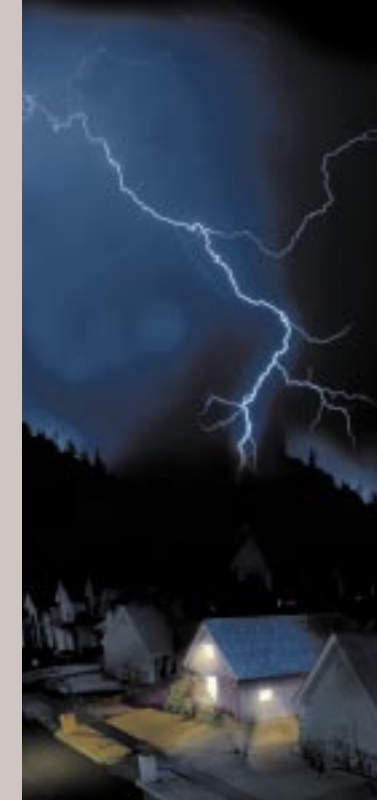
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# BACKUP ELECTRIC SYSTEMS



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**BACKUP ELECTRIC SYSTEMS**

POWERFUL SOLUTIONS  
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ENGINEERING®

## About Trace Engineering

Trace Engineering is recognized worldwide for making the most advanced and dependable power inverters.

Since 1984, Trace has been manufacturing high quality inverters that provide reliable power to people around the globe. In our plant in Arlington, WA, and a new facility in Sacramento, CA, over 300 Trace employees proudly build, assemble and test our power products.

For more information on Trace backup power solutions, please contact your local Trace dealer, or visit our Web site at:

[www.traceengineering.com](http://www.traceengineering.com)

Computers, faxes, e-mail, telephones, refrigerators, televisions, coffeemakers, lights, heating — we depend on them daily. What they depend on is electricity.

We'd like to believe that the supply of power that feeds our appliances is secure and reliable. But that's not necessarily the case. Each time the lights go off and computers shut down in a violent winter storm, a summer power shortage, or another natural or man-made disaster, we are reminded of how much we depend on reliable power, and how vulnerable we are without it.



Are there more major power outages on our horizon? The odds are yes. Meteorologists are predicting increasingly severe storms. Electric industry deregulation and growing power demands on an aging distribution system are likewise threatening the power supply.

Don't wait until the next emergency to prepare for a potential power failure at your home or office.

**The answer is here:  
Backup power from  
Trace Engineering.**



**Comfort, security and peace of mind can be yours with a Trace backup power system.**

In the event of a utility blackout or brownout, your Trace system provides power automatically and instantly.

While others remain in the dark, your electricity-dependent devices continue to function, shielded from power blackouts and brownouts by Trace's state-of-the-art power technology.

Should a potentially harmful reduction in line voltage occur, your Trace system takes over automatically to deliver electricity silently from its storage batteries.

The Trace power system monitors power quality and availability 24 hours a day. In the event of a power outage or dangerously low voltage, the system instantly transfers your critical electrical devices to its fully-charged bank of batteries.

Should the battery bank get low, your Trace system can operate a generator until the batteries are recharged. If you choose a larger battery bank, a Trace system can be set to keep the generator turned off at night when demand for electricity tends to be lower and neighbors most appreciate the quiet.

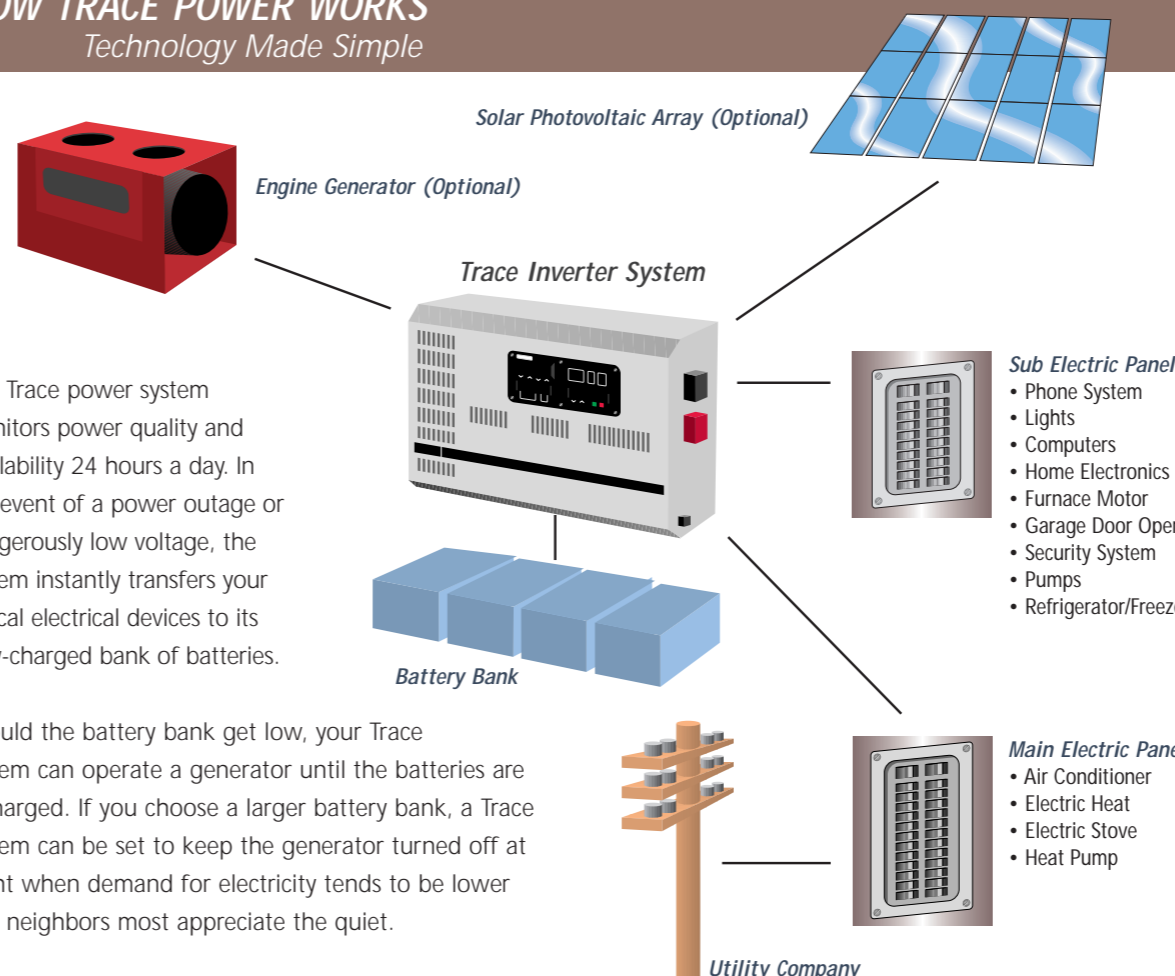
### Complete Power Solutions

Trace's factory-engineered Power Panel and Power Module systems include everything needed for fully code-compliant inverter installation, whether indoors or outdoors.

Your Trace inverter is the heart of an integrated automatic system that also includes storage batteries and a means to generate additional power during long outages — with a natural gas or propane-

fueled generator or a renewable energy source like solar panels. Trace dealers offer complete backup power packages, which include inverter systems and batteries, as well as generators, solar panels or other power sources.

System packages are available with different types of storage batteries. Sealed deep-cycle batteries are popular due to their low maintenance requirements and long life. Your Trace dealer can provide you with answers and a complete solution to individual power needs.



## SYSTEM SPECIFICATIONS

Meeting Your Power Requirements

Trace backup power systems come in a wide range of sizes to meet every power requirement and budget.

Trace Engineering's product line includes the SW Series inverters for larger full-featured systems with sine-wave output and full automation. Lower cost DR and TS Series inverters are designed for smaller, less automated systems.

### SW Series Inverter Specifications

| Inverter Model | Continuous Power | DC Input | AC Output     |
|----------------|------------------|----------|---------------|
| SW2512/S       | 2,500 watts      | 12 volts | 120 volts     |
| SW4048/S       | 4,000 watts      | 48 volts | 120 volts     |
| SW5548/S       | 5,500 watts      | 48 volts | 120 volts     |
| SW4048/D       | 8,000 watts      | 48 volts | 120/240 volts |
| SW5548/D       | 11,000 watts     | 48 volts | 120/240 volts |

### Lower-Cost Inverter Specifications

| Inverter Model | Continuous Power | DC Input | AC Output |
|----------------|------------------|----------|-----------|
| TS512SB        | 500 watts        | 12 volts | 120 volts |
| DR1524/S       | 1,500 watts      | 24 volts | 120 volts |
| DR2424/S       | 2,500 watts      | 24 volts | 120 volts |
| DR3624/S       | 3,600 watts      | 24 volts | 120 volts |

Other models are also available. Contact your Trace dealer.

**All Trace products are Y2K compliant.**