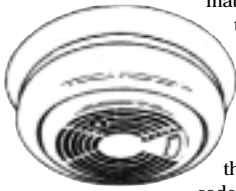


## Photoelectric Smoke Detectors

1 hour faster, less false alarms and no radioactive material!

Most home smoke alarms contain americium 241--a highly toxic radioactive material that causes cancer if inhaled or ingested and takes thousands of years to decay. These detectors work much better without radioactive parts. They detect smoke from smoldering fires up to an hour faster while staying less sensitive to humidity & cooking smoke--less annoying false alarms.



Hardwire the 120V AC and 12V models or just mount the 9V model. 120V w/ back-up required for building codes in many places.

**120V w/9V Back-Up** #WA910 \$59  
**9V** #WA907 \$32

## Trifield Meters

Find the "hot spots" in your home, office or community--then take steps to avoid long term exposure to high electromagnetic pollution. Trifield meters monitor the levels of electrical, magnetic and microwave radiation. Two scales measure extra low frequency fields (ELF), a second measures ELF/VLF, and another Radiowave/Microwave radiation. Takes measurements in all three axis directions while giving a true total field reading. Indicates if "safe", "borderline" or "high" range.



**Meter** #EP940 \$195  
**Meter rental** #EP941 \$25

## AIM Carbon Monoxide Detector

Protect yourself and your family from fatal carbon monoxide poisoning. The self-powered AIM carbon monoxide detector uses an electrochemical sensor and features a digital display with unique memory capabilities. Levels of CO instantly display with a push of the test button, use historical data to detect the peak, and fluctuating levels of CO exposure. Automatic daily self-testing assures reliability of the sensing mechanism. Approved by the IAS, the principal regulating agency in the US for residential and commercial gas appliances.

#EP6712 \$45



## Microwave Leakage Detector

Avoid dangerous microwave radiation which has been shown to cause birth defects, cancer, pacemaker interference and other ailments with this simple hand held device. Unit gives digital readings of amount of leakage and sounds alarm when above danger threshold. Uses 9v battery, not included.

#EP947 \$66



## Home Composter

Install anywhere and easily recycle your organic kitchen waste into a wonderful fertilizer! Fast, odorless, and convenient, the Home Composter transforms messy food scraps into a nutrient-rich, organic peat moss fertilizer and some "compost tea". Designed to fit in a cabinet space the size of a dishwasher but just as easy to put in a laundry room, basement, garage, or outside on a porch or backyard. Also good for boats, RV's, cabins, and office lunch rooms. Easy to operate--just add the supplied "compost sure" and "microbe mix", warm water and kitchen scraps--you're ready for regular use. A small fan vents like a conventional dryer and assures quick evaporation with no odor. Does not require electricity for outside use but composting rates slow with colder temperatures. Sized for 6 people full time use, 20+ in an office lunch room.



#EP6893 \$360

## Kitchen Compost Crock

*Attractive compost holder with carbon filter*

You won't want to hide this one under the sink! A fully glazed ceramic looks beautiful and prevents stains and odor absorption. The 1.25 gallon interior holds a week's worth of scraps and a lid with an activated carbon filter traps odors and lets air circulate to prevent rotting. A removable stainless steel handle makes carrying easy. Dishwasher safe, replacement filters available in a set of 4. 13 3/4" H x 7 1/2" W x 7" D with lid. 6 lbs. USA.

**Compost Crock** #KT7879 \$40  
**4 Replacement filters** #KT7880 \$8



## Portable Pest Repeller

Take effective pest protection with you. Just add a 9-volt battery and make this lightweight repeller completely portable. It uses 2 separate frequencies to rid up to 750 sq. ft. outdoors, 1,500 sq. ft. inside of either mice and bats or spiders and many other insects (not mosquitoes). Ideal for patios, picnics, camp sites, boats, attics, and places with no electrical outlets. Includes 120 vac power cord for plug-in use where outlets exist. 4 3/4" H x 5 3/4" W x 2" D. USA.

#AA7761 \$30



## Most Powerful Pest Repeller

Match the button to your pest and say goodbye to unwanted guests! This state-

of-the-art, most powerful repeller available, emits a combination of sonic and ultrasonic frequencies from dual speakers. Repels mice, fleas, many insects and spiders, bats, squirrels, and raccoons. Just push any one of five buttons for three quiet and two audible settings, chase pests from up to 5,000 sq. ft. of indoor space. The louder settings disturb pets and people but work great for remote applications like keeping an infrequently used cabin in good shape while you're gone. 4.5" x 9" x 3.25". 2.2 lbs.

**Transonic ESP** #AA7748 \$90



## Deodorant Stone

Save both your body and the earth from harsh perfumes, propellants and harmful chemicals. Over 300% more effective than commercial deodorants and used daily lasts at least a year. 100% natural minerals and when you're done, it's gone—no plastic or metal to throw away.

**Stone w/Travel Pouch #EP302 \$12**



## Razor Saver

Common and simple, but actually a razor blade represents some remarkable technology. Days of a strap and straight razor aren't that far in the past. It's a shame to have to throw them away so quickly. In fact, they're only disposable because you can't resharpen them. And now you can! Just insert a razor head and draw the old blade across the Razor Saver - it will be like new. Get 50 or more shaves from any regular or disposable razor blade, men's or women's, single or double. You'll use 75% less razors each year. 5 3/4" L x 2 1/4" W. Imported.

**#EP7681 \$12**

## Sun UV Watch

*Don't Get Burned by the Sun!*

Excessive UV radiation leads to premature wrinkling, sun burn or even skin cancer. This watch has a unique UV sensor that tells you when you have had too much sun. Program in your skin type and which sunscreen you applied. The UV sensor tracks sunlight intensity and tells you when to cover up. Watch includes timer, alarm, date and time. Water resistant, too.

**#EP7118 \$89**



## Solid Bar Shampoo

*Made the old-fashioned way—by hand!*

100% natural, no preservatives, no animal products.

Works great: the thick lather smells great, and it lasts as long as a 24 oz. bottle of most shampoos. Another alternative to chemicals and plastic! There's no sodium laurel sulfate or DEA in this shampoo!



This shampoo will not strip the natural oils from your hair so most people do not need a conditioner. Great for permed or colored hair, and hair with natural curl.



Tea tree formula also has hemp and almond oil. It's great for serious dandruff problems, even psoriasis. The damaged hair formula adds vitamin E, aloe vera, and almond oil to promote healing and restoration of your hair. "A Natural Traveler"

(shown) is designed to carry our shampoo. It is the ultimate in convenience and intended for people on the go, who value simplicity, quality and the preservation of our environment. 100% recycled plastic—no messy liquids to spill—dries bar between uses. Use our all-pine Shampoo Shelf for your home to extend the life of the bar.

**Original Bar Shampoo #EP300 \$6**

**Original Bar Shampoo – 6 pk. #EP3498 \$34**

**Tea Tree Formula #EP3667 \$6**

**Damaged Hair Formula #EP3668 \$6**

**"Shampoo Shelf"**

**w/Original Bar #EP301 \$10**

**"A Natural Traveler"**

**w/Original Bar #EP5663 \$14**



## Ott Full Spectrum Sunglasses

*"World's greatest sunglasses"*

Eliminate glare, distortion, & harmful UV. Many sunglasses distort images and visual acuity. Cheap versions actually dilate your eyes and let in more harmful radiation than you would get without sunglasses. Ott Full Spectrum glasses meet ANSI standards for UV protection but still let in the beneficial, full-spectrum light. Black frames, Ott Gray lenses, aviator style, ten-year warranty.

**Aviator #AC421 \$21**

**Clip-Ons #AC422 \$21**



## Solar Alarm Clock

Our new Solar Powered alarm clock needs less light than your indoor plants and will work for up to 8 months in total darkness - never again worry about waking up in time for that important appointment! It charges with either natural or artificial light and the environmentally friendly alkaline batteries contain no cadmium, nickel, or mercury. Attractive compact design, perfect for travelling.

**Black #ST6809 \$26**

**White #ST6810 \$26**

## Nuwick 120-Hour Candle

Moveable, reusable, non-toxic light source—also good for heating and cooking! Fail-safe source of lighting, heating and cooking all in one. The main Nuwick innovation is the wick—completely independent, moveable, reusable, non-toxic, and waterproof. It "floats" on top of the wax. Each one burns 25–40 hours. To increase heat or light just add more wicks. Ideal for camping and hiking, blackouts, emergency situations, or just a 120-hour romantic atmosphere! Includes 6 moveable wicks, 14 oz. slow burning wax, tweezers, and matches. Great for pocket or backpack.

**#EP901 \$12.50**



## A Summary of the World

If we could shrink the Earth's population to a village of precisely 100 people...with all existing human ratios remaining the same, it would look like this:

- There would be 57 Asians, 21 Europeans, 14 from the Western Hemisphere (North and South), and 8 Africans.
- 51 would be female; 49 would be male.
- 70 would be nonwhite; 30 white.
- 70 would be non-Christian; 30 Christian.
- 50% of the entire world's wealth would be in the hands of only 6 people and all 6 would be citizens of the U.S.
- 80 would live in substandard housing.
- 70 would be unable to read.
- 50 would suffer from malnutrition.
- 1 would be near death, 1 would be near birth
- Only 1 would have a college education.



## Pedal Pick-up

*Easy hauling without fossil fuels*

This pedal-powered workbike has a chromoly frame with black powder-coat finish, heavy-duty steel axles, and a rear axle differential for outstanding maneuverability. The bed has aluminum side posts and railings, a removable gate and 12 square foot capacity. Other features include 48-spoke alloy hubs and rims, a 21-speed drivetrain with indexed shifting, a powerful rear hydraulic brake with an innovative "floating disc" to prevent brake drag. Options include expanded aluminum sides, dual halogen headlight system (low/high), running lights, turn signals and brake lights, shovel and rake racks that hold four long-handled tools, and custom cargo beds. 140 lbs.

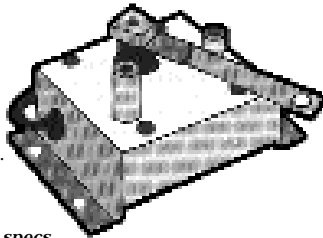
**#EV8170 \$2,800**

## Speed Controls

MOSFET electronic motor controllers with high frequency switching provide smooth, silent and efficient speed and torque control. High quality, simple installation.

**24V 175A\* #EV502 \$590**

*\* Other speed controls available—call us for specs, pricing and availability.*



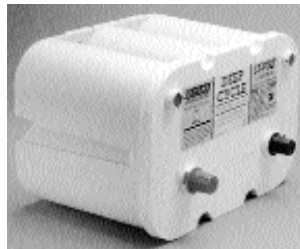
## Optima "Yellow Tops"

*The best battery for EV's!*

Superior power, longer life, double the cycles. Get up to 2500 cycles with a 30% discharge, 350 with a 100% discharge. 50 amp size 10" L x 6.8" W x 7.8" H, 42.9 lbs.

**50 Amp #RB6112 \$177**

**90 Amp #RB6113 \$260**



## QuikStix Workbook

10 Electric vehicle designs—a builder's "erector set". Build everything from your bed to a portable home to an electric vehicle with components you can recycle yourself thousands of times. A revolution in building design and construction—inexpensive, amazingly versatile and easy. Anyone can use these simple methods and design, save hundreds of dollars, and build things to their exact specifications. Explains and shows how to make furniture, modular shelters, greenhouses, many kinds of electric vehicles, a mini-tractor, wind generator, solar concentrator, and much more. Appropriate technology at its best.

**#BK166 \$20**



## Express Power Pack

Electrify your bicycle! Express Power Pack attaches like a saddle bag, straddling the rear wheel and driving it by friction when you press a trigger. Pedal lightly and travel 7 to 8 miles at 11 to 12 mph on a single charge. Pedal harder and travel faster and farther. Batteries recharge in 6 to 8 hours and last up to 2 years of everyday riding. Fits almost any bicycle (not recommended for extremely knobby mountain bike tires)

Weight 27 lbs. High tension steel frame. Complete the installation of your ETC express power pack with the mounting rack and trigger. Mounts behind the seat, straddling the rear wheel. Makes the power unit easily removable.

**ETC Express Complete #EV5439 \$384**

**Power Pack only #EV5440 \$300**

**Rack & Trigger only #EV5441 \$56**



## USProDrive Mountain Bicycle

*Power! Performance! Excitement!*

That's the beauty of the USPD Mountain Bicycle. With its fully integrated direct-drive power system, you're able to go off the beaten path like never before. Direct-drive for maximum propulsion, efficiency and performance in rain, snow and mud. Allows all-electric propulsion power, rider-powered pedaling, combination of pedal power and electric power. Free-wheeling feature eliminates drag and friction when pedaling or coasting with motor "off". Powerful 24 volt DC brushless motor, state-of-the-art electronic pulse-width modulation (PWM) motor controller. Speeds up to 18 mph.

**#EV5446 \$999**

## USProDrive Conversion Kit

Everything you need to convert your bike to electric: powerful 24 volt DC brushless motor, state-of-the-art electronic pulse-width modulation (PWM) controller, handlebar-mounted thumb throttle with variable speed control, 1 amp charger.

**#EV5447 \$595**





## Stop Paying Rent!

Stop paying rent without mortgaging your next 30 years. Shelter is an area where all people experience a common ground—everyone needs a place to stay warm and dry. However, the United Nations estimates over one billion homeless people worldwide. Fortunately, as the descriptions and books in this section demonstrate, we have more choices. For example, instead of paying \$600 a month rent, why not stay at a friend's or camp out for 3–4 months? You could use the \$2400 you would save to buy a Yurt. Then find some land you could use for low or no cost. In 2 years you could save \$14,400—enough to buy some nice land and move your portable Yurt. 10 years of saving the \$600 a month rent yields \$72,000, over \$100,000 if reinvested at 10%!



### Pacific Domes

A home that combines the sacred geometry of R. Buckminster Fuller with a choice of progressively designed covers. Easy to assemble, completely water repellent, set up for a woodstove, great windows for natural lighting, lots of screens

for summer, optional winter liners. A suspended sky chair adds a nice touch. Super durable—easily withstands high winds, safe in earth quakes, no problem with heavy snow loads. All this and unassembled it still fits in the trunk of your car!

Call or write for color pamphlet.

|                 |                |                |
|-----------------|----------------|----------------|
| <b>12' Dome</b> | <b>#HM6068</b> | <b>\$2,200</b> |
| <b>16' Dome</b> | <b>#HM6069</b> | <b>\$2,600</b> |
| <b>20' Dome</b> | <b>#HM6070</b> | <b>\$4,300</b> |
| <b>24' Dome</b> | <b>#HM6071</b> | <b>\$5,300</b> |
| <b>30' Dome</b> | <b>#HM6072</b> | <b>\$6,600</b> |
| <b>36' Dome</b> | <b>#HM6073</b> | <b>\$9,300</b> |

### Yurts

An "architectural wonder" in use for centuries in extreme climates

Nomadic people in the Far East have used Yurts for hundreds of years. They combine unparalleled strength, spaciousness, and portability. Easy to transport and construct by only two people, they will keep you warm, dry and comfortable with warm lighting. Tension bands transfer roof loads onto the yurt's walls and a lattice structure maximizes the strength-to-weight ratios. A skylight provides excellent ventilation and you can easily vent a stove pipe. Send for detailed information.

|                          |                |                |   |
|--------------------------|----------------|----------------|---|
| <b>16' Standard Yurt</b> | <b>#HM101</b>  | <b>\$3,900</b> |  |
| <b>20' Standard Yurt</b> | <b>#HM102</b>  | <b>\$5,315</b> |  |
| <b>24' Standard Yurt</b> | <b>#HM6032</b> | <b>\$5,890</b> |  |
| <b>30' Standard Yurt</b> | <b>#HM6033</b> | <b>\$7,500</b> |  |



### Solar Gro-Domes

*Inexpensive greenhouse you can set up in 30 minutes without tools*

Extremely strong but free-standing and light weight—pick up and put on top of established plants, move to another site when plants are well-established. Super strong translucent covering is completely waterproof but still breathes. The Bubble Domes add an additional band of poles and create the maximum interior space with the minimum footprint.

|                                 |                |              |
|---------------------------------|----------------|--------------|
| <b>8' diameter, 7' 4" high</b>  | <b>#HM1628</b> | <b>\$475</b> |
| <b>11' diameter, 6' 4" high</b> | <b>#HM1629</b> | <b>\$595</b> |
| <b>14' diameter, 7' high</b>    | <b>#HM1630</b> | <b>\$650</b> |
| <b>18' diameter, 9' high</b>    | <b>#HM1631</b> | <b>\$750</b> |

**20' diameter, 10' high**

**#HM1632** **\$875**

**10' Bubble Dome 8.5' high**

**#HM1633** **\$560**

**14' Bubble Dome 11' high**

**#HM1634** **\$865**

**20' Bubble Dome 15' high**

**#HM1635** **\$1,350**

**Light House 14' Shelter #HM6157 \$595**

### Ultimate Hammock

*It feels like smooth cotton but it's made from recycled soda bottles!*

The hand-crafted polyester rope used to make this extraordinary

hammock doesn't just have an environmental benefit - it's much better than cotton because it won't rot or suffer UV radiation damage. It holds an amazing 450 lbs., two or three people! Strong white oak ends are finished with natural linseed oil. Hanging hardware included. 14'L (ring to ring) x 5'W. 12 lbs. USA.

**#EP7845** **\$146**





**Tipis**

Authentic and functional home, mountain retreat, backyard expedition, or playroom encampment. The eminently practical home of the American Plains Indian. Warm in winter, cool in summer, able to withstand the roughest weather, moveable and easy to set up. All within a conical space where "the spirit can soar". Patterned after the 3-pole Sioux design with Cheyenne-style smoke flaps, these tipis use the finest

treated canvas with buffalo hide sewn around the door opening and other high-stress areas. Complete packages include tipi cover, poles, door cover, wooden stakes, lacing pins, all necessary ropes and liner. 5-year warranty.

|                     |               |              |  |
|---------------------|---------------|--------------|--|
| <b>12' Cover</b>    | <b>#HM113</b> | <b>\$324</b> |  |
| <b>12' Complete</b> | <b>#HM114</b> | <b>\$695</b> |  |
| <b>16' Cover</b>    | <b>#HM115</b> | <b>\$466</b> |  |
| <b>16' Complete</b> | <b>#HM116</b> | <b>\$998</b> |  |



**Sky Lodge Tipis**

An innovation on the traditional Sioux tipi design and an ideal environment for many uses in the art of living. Easy to assemble and portable, they're water resistant, handle snow loads and winds, and set up for a wood stove. They include a portable fire pit, skylight and removable round window for natural lighting, screens for ventilation, and optional liners. 12' (HM8686) \$1205

|                    |                |                    |                |
|--------------------|----------------|--------------------|----------------|
| <b>14' #HM8687</b> | <b>\$1,505</b> | <b>16' #HM8688</b> | <b>\$1,675</b> |
| <b>18' #HM8689</b> | <b>\$1,830</b> | <b>20' #HM8690</b> | <b>\$2,065</b> |
| <b>22' #HM8691</b> | <b>\$2,380</b> | <b>24' #HM8692</b> | <b>\$2,650</b> |
| <b>28' #HM8693</b> | <b>\$3,250</b> |                    |                |

**Optional portable fire pit #HM8745 \$150**



**Platform Pitched Wall Tents**

Strong, durable tents built to last with 13 oz. formaldehyde free marine "Sunforger" fabric. Front and rear door openings, walls grommet and lace at corners to allow

side wall roll-up. Natural cream color, water repellent and mildew retardant fabrics. Comes with tent cover, storage bag, all guy and corner ropes. Options include rain fly, bug net screens, upright and ridge pole sets. 1 year materials and 5 year workmanship warranty.

|                  |                |              |
|------------------|----------------|--------------|
| <b>10' x 12'</b> | <b>#HM7175</b> | <b>\$461</b> |
| <b>12' x 14'</b> | <b>#HM7176</b> | <b>\$516</b> |
| <b>14' x 16'</b> | <b>#HM7183</b> | <b>\$656</b> |
| <b>16' x 20'</b> | <b>#HM7185</b> | <b>\$806</b> |

**Outfitter's Wall Tents**

Heavily reinforced wall tents designed for compact transportation without sacrificing roominess. Tapered overlaps for secure privacy and cold weather enclosure. Sidewall height of 4'6" and ridge height of 7'6" on all tent sizes. Door flaps tie back in four positions. Options include heavier weight, different fabric types, flame retardancy, sod cloth, stove pipe outlet, mosquito net windows, rain fly, floor cover, upright and ridge poles, and a variety of colors.E

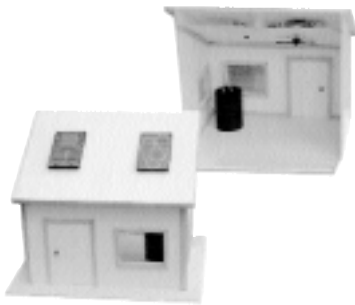
|                  |                |              |
|------------------|----------------|--------------|
| <b>8' x 10'</b>  | <b>#HM7187</b> | <b>\$249</b> |
| <b>10' x 12"</b> | <b>#HM7189</b> | <b>\$310</b> |
| <b>12' x 14'</b> | <b>#HM7190</b> | <b>\$351</b> |
| <b>14' x 16'</b> | <b>#HM7191</b> | <b>\$387</b> |



**Opendor Drop Screen**

Make any door a screen door instantly! Can't open doors to let in fresh air because there's no screen? Don't want the hassle and expense of installing permanent screen doors? Try this. In just seconds, our Opendor Drop Screen attaches to pre-applied velcro strips to completely cover open door frames and turn them into screened openings! Its fine mesh lets cool breezes in, while a weighted bottom keeps bugs out. And it opens instantly for comings and goings. Superior quality mesh won't run or tear. Fits all standard 80" x 36" door frames. Folds compactly for easy storage. 1 lb. USA.

**#EP7890 \$32**



## Solar-Electric House Kit

*Make your own appropriate technology model house*

Use cardboard, micro straw bales, mini adobe bricks, foam board, or your favorite building material. This kit supplies the rest—a working solar module, bright LED red light with dome cover, ceiling fan that works off the PV, solar thermal module and tubing (use a black-painted paper towel tube for the storage tank).

Comprehensive instructions

include directions for solar orientation, roof overhangs, and assembly techniques. A wonderful starting point demonstrations, education or experimentation.

#ST3861 \$35

## Solar Cool Cap

This baseball cap has a built-in sun-powered evaporative cooling system that can keep you cool on the hottest days. Works great and gets attention!

White only.

#ST103 \$15



## Our Most Practical Solar Energy Kit

Learn the difference between wiring in parallel and series to increase voltage or current—the most common question when installing both solar modules and batteries. Use the 8 mini-panels to make a solar circuit, an electrical circuit or a larger solar module. Powers the included motor and fan.

a small radio, calculator, 1.5V cassette player, or recharges NiCads.

#ST214 \$22

## Sunpower House

Working model of a passive solar house. Exceptional learning tool. Expand your students', children's and your own understanding of energy costs and ways to improve efficiency. 11" x 11" x 8" model complete with detailed Teacher's Guide including activities in basic science, solar energy and energy conservation.

#ST909 \$43



## Solar Worksheet:

*Macintosh program for PV design & sizing*

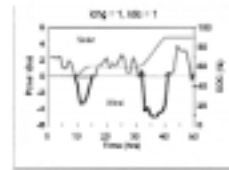
Enter in your AC & DC loads or pull down the typical appliance power uses from the menu. Enter inverter efficiency, click your location on a map and this program recommends the number of solar modules and batteries you will need. Change the loads or usage time and quickly discover how much the changes cost. Needs 4+ megs/memory.

#PV315 \$15

## Solar Insolation Meter

Measure your sun power. Precision readings of diffuse solar radiation. Illustrates the changes from hour to hour and season to season. Calibrated in BTUs/hr/sq.ft. and watts.

#ST520 \$85



## Energy System Engineering

*Expert optimization of off-grid energy systems*

Sustainable Village includes free design & sizing for normal residential and smaller systems. Engineering analysis for the best system in commercial and hybrid

applications can take a considerable amount of time and resources though. We now have on staff an engineering PhD (Dennis Barley) with years of experience in designing hybrid wind/PV/battery/engine power systems. He's written a book with software called Hybrid Power Design Handbook (\$300 but only recommended for people with engineering backgrounds) and can analyze the unique resources and requirements in your planned off-grid electrical system. This in-depth report answers questions including the most economical combination of alternative power sources, the best trade-off between buying batteries vs. buying fuel for a back-up generator, the kind of performance to expect, both the short and long term costs. Dennis takes into consideration hour-to-hour weather patterns, seasonal cycles, component costs, fuel cost, battery cycle-life, terrain, and financing. His report includes easy-to-understand charts, graphs and text. Please request our free "Project Data Submittal Form".

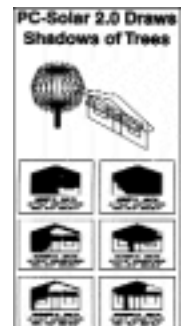
|                                    |                |              |
|------------------------------------|----------------|--------------|
| <b>Within U.S.</b>                 | <b>#PS3490</b> | <b>\$225</b> |
| <b>Outside of U.S.</b>             | <b>#PS3491</b> | <b>\$275</b> |
| <b>Project Data Submittal Form</b> | <b>#PS3492</b> | <b>Free</b>  |

## PC-Solar

*Easy solar shading calculations*

Great software for Windows 3.1—just the tool for planning wall placement, roof overhangs, solar panels, skylights, greenhouses and trees. Just define the basic shape and features of the surface in question and PC-Solar creates a wireframe representation. The real magic shines as it draws shadows the way they will appear throughout the day, month or year. Track the movement of the sun with animation. Don't like what you see? Change the configuration of the wall or roofline around until you do! Export images into other CAD, publishing or graphics applications. 3.5" floppy.

#PV1452 \$50



## Solar Pathfinder

Quickly evaluate solar potential. One quick siting gives accurate, easily recorded solar site information for the entire year. Shows energy lost due to each shadow casting object and a fast comparison to other sites. Since shading just one cell in a PV module reduces output up to 80%, a Pathfinder can more than pay for itself. Also great to evaluate passive space heating, domestic hot water, swimming pool heating, and just learning more about the sun.

|                                  |               |              |
|----------------------------------|---------------|--------------|
| <b>Hand-Held Model</b>           | <b>#PV903</b> | <b>\$190</b> |
| <b>w/Tripod &amp; Metal Case</b> | <b>#PV904</b> | <b>\$280</b> |

