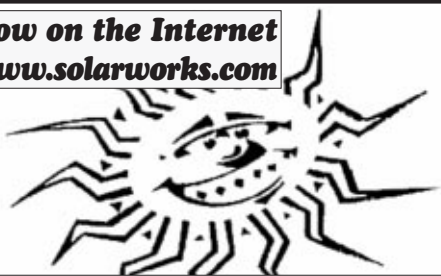


Since 1981. Often imitated. Never equaled! The genuine...

SolarWorks!®

Hawaii's low-cost alternative & renewable energy store

Now on the Internet
www.solarworks.com



When on Big Island visit
our store on rte. 11 (mile 77)
at Ocean View Town Center

The earth's sunshine can provide all the energy most of us will ever need in our homes. At **SolarWorks!**® we're dedicated to getting you the **best priced** alternate energy systems for powering everything from your water pump & reading light to the finest stereo system or the power tools in your workshop. We live in off-the-grid homes ourselves, so we know firsthand what works and what doesn't. We'll design you a **trouble-free, long-lasting** home power system that you can own yourself.

No mysterious blackouts, no surges to damage your equipment, just clean energy from the sun. **We enjoy living this way, and you can too. Call us soon!**

1998 #1

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Solar Electric Home Packages!
PV Systems
start at **\$445**
Call us for a professional & timely quote.
Let the sun power your home. From cabin to castle, SolarWorks! has a system for you! Easy hook-up. Tax credits available. More on Page 2

Quality PV Modules

AC & DC Pumps

Solar Hot Water Systems
from **\$1553**

Lights & Wire

Water filters

Gas & Electric Refrigerators
Large & Small Batteries & Chargers

Meters
DSD 04-98 Internet Edition

Tankless Water Heaters & Parts

If you see it cheaper, tell us!

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Ocean View, HI 96737

-Area Code 808- Big Island Hawaii-929-9820 E-Mail: www@solarworks.com



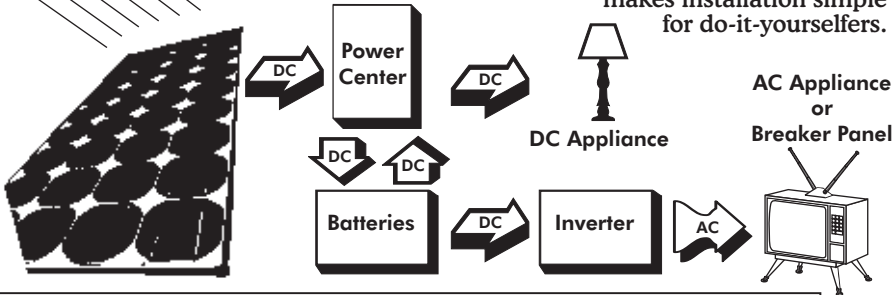
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PACKAGED PV SYSTEMS

Solar Electric

Save time and money with our packaged systems. We have 5 choices which can power most anything from a one-room retreat to a full sized house. Systems 1-5 come with a completely pre-assembled power center and instructions that makes installation simple for do-it-yourselfers.

Obviously there is more to each system than what's listed here. Prices are for basic systems. We often modify them to suit your needs. Use these prices as a general guide.



SYSTEM SR

\$445

THIS IS OUR SMALLEST AND SIMPLEST SYSTEM. IT'S "SELF-REGULATING" WHICH MEANS THE PV MODULE'S VOLTAGE CANNOT OVERCHARGE YOUR BATTERY, ALTHOUGH IT CAN NEVER CHARGE IT 100% EITHER. NOT RECOMMENDED FOR EXPANSION, THIS QUALIFIES YOU FOR THE SOLARWORKS LIVING LIGHTLY AWARD!

- Photovoltaic 43 watt module** Self regulating. 14.6V, 2.95 Amps (UL listed)
- 12 volt marine deep cycle battery** 105 amp hour/1,260 watt hours storage, by Trojan Battery Co.
- Aluminum mounting feet** Light weight, won't rust.
- Stainless steel mounting hardware** Bolts, nuts & washers for attaching module to mounting feet.
- ATC in-line fuse** For basic protection.
- 2 solderless lugs** For easy battery connection.
- Anti-corrosive compound** Use on all low voltage non-soldered connections for optimal system performance.
- Instructions, wire sizing chart, power room plans & wiring diagram**

OPTIONS:

Voltmeter Lets you monitor your battery state-of-charge. **\$25.00**

Prowatt 250 Inverter 250 watt continuous inverter **\$159.00**

SYSTEM ONE

\$605

WILL MEET MINIMAL NEEDS AND IS EXPANDABLE BY ONE MODULE

- 1 - Photovoltaic 48 watt module** UL listed module. Popular mid-sized PV module.
- 1 - Marine deep cycle 105 amp/hr battery** 1,260 watt hours total storage. Made by Trojan Battery Co.
- Aluminum module mount** Strong, light weight, rust-free, custom made, pre-drilled rack for two modules w/feet.
- Stainless steel mounting hardware** Bolts, nuts & washers for attaching one module & feet to mount.
- Array wire** Ultraviolet protected wire to connect module to charge controller. 20'
- Power Control Center** 8 amp charge controller, voltmeter, ATC fuse block & battery cables, pre-wired for EZ set-up.
- Anti-corrosive compound** Use on all low voltage non-soldered connections for optimal system performance.
- Instructions, wire sizing chart, power room plans & wiring diagram**

PV maximum power output is 48 watts (240 watt hours).
5 peak sun hours per day = 171 (usable) watt-hours (3.02A x 5hrs x 12.6v x 90%)

OPTIONS:

- PC300HS Inverter** Low cost high surge 300 watt inverter handles TV/VCR & small ac loads **\$129.00**
- PP500AC Inverter** Low cost 500 watt inverter for bigger loads **\$189.00**

SolarWorks!®
808-929-9820
Fax: 808-929-9831

SYSTEM TWO

\$1,315

ENOUGH FOR VERY SMALL NEEDS - SOME LIGHTS, PUMP,
OCCASIONAL TV. ALSO EXPANDABLE BY ONE MODULE.

- 2 - Photovoltaic 75 watt modules** 20 year warranty (UL listed) modules. High voltage and high current.
 - 2 - Deep cycle 220 amp/hr batteries** Long-lasting series connected. 2,640 watt hour total storage.
 - Aluminum -fixed angle- module mount** Strong, light weight, rust-free, pre-drilled, custom made, w/feet.
 - Stainless steel mounting hardware** Bolts, nuts & washers for attaching modules & feet to mount.
 - Module interconnect wire** Ultraviolet protected wire to connect modules together. 20'
 - Power Control Center** Pre-wired 15 amp controller, voltmeter, ammeter, fuse block & battery cables for EZ set-up.
 - #6 battery interconnect cable to connect batteries in series.**
 - Anti-corrosive compound** Use on all low voltage non-soldered connections for optimal system performance.
- Instructions, wire sizing chart, power room plans & wiring diagram**

PV maximum power output is 150 watts (750 watt hours).
5 peak sun hours per day = 499 (usable) watt-hours (4.4A x 5hrs x 12.6v x 2 x 90%)

OPTIONS:

- PC300HS Inverter** Low cost 300 watt inverter can handle TV/VCR and small ac loads **\$129.00**
- PP500AC Inverter** Low cost 500 watt inverter for bigger loads w/800 watt surge **\$189.00**

Note... Our systems are meticulously designed for **optimal** performance. We sell only the **best** equipment, designed to work right from the start. A properly designed and installed system is **more reliable than the power company!** We don't think you can buy a better system for the price **anywhere!** Not included is array wire, grounding wire, and miscellaneous electrical components which will vary for each job. We can consult with you on every detail for a perfect system to suit your needs.

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SYSTEM THREE

\$3,465

WILL SUPPLY FRUGAL POWER USERS - ENOUGH FOR
LIGHTS, PUMP, TV, AND SMALL APPLIANCES.

- 4 - Photovoltaic 75 watt modules** 20 year warranty (UL listed) modules. High voltage and high current.
 - 4 - Deep cycle 220 amp/hr batteries** Long lasting series connected. 5,280 watt hour total storage.
 - Aluminum -fixed angle- module mount** Strong, light weight, rust-free, pre-drilled, custom made w/feet.
 - Stainless steel mounting hardware** Bolts, nuts & washers for attaching modules & feet to mount.
 - Module interconnect wire** Ultraviolet protected wire to connect modules together. 30'
 - Lightning protection** Includes lightning arrester, terminal block, watertight junction box.
 - Power Control Center** Trace Engineering C30A charge controller, & array disconnect preassembled for easy set-up.
 - Metering** Analog voltmeter ; analog solar array ammeter pre-wired on control center.
 - Trace 1524 inverter** 1500 watts of power with built-in battery charger
 - Battery fuse** Protects your equipment and you.
 - #2 battery interconnects** Custom made by SolarWorks! Finest available.
 - #2 inverter cables** Custom made by SolarWorks! 5' length.
 - Anti-corrosive compound** Use on all low voltage non-soldered connections for optimal system performance.
- Instructions, wire sizing chart, power room plans & wiring diagram**

PV maximum power output is 300 watts (1500 watt hours).
5 peak sun hours per day = 998 (usable) watt-hours (4.4A x 5hrs x 12.6v x 4 x 90%)

OPTION:

- More Power** Air 303 wind generator rated @ 300 watts for windy areas **\$525.00**



Avoid Trouble

Four problems cause 90% of the trouble in PV systems: corrosion, too small wires, chronic low battery voltage and no fusing. Possible remedies: solder bare connections or use an antioxidant compound; consult a wire chart (ask us for one) and use large enough wire; monitor your batteries with a meter and either increase charge rate and/or decrease loads; protect your circuits with fuses or breakers.



Can't find what you're looking for? Don't despair. We still may carry it so please ask! If we don't there's a good chance we can get it in days. Besides, we want to carry what you need. Please call or write and let us know.



SolarWorks! Page 3
808-929-9820

SYSTEM FOUR

WILL POWER A BASIC HOME FOR PEOPLE WHO KNOW HOW TO CONSERVE.

\$6,400



SYSTEM FOUR ALTERNATE 24V SYSTEM

8 - Photovoltaic 75 watt modules UL listed modules. 20 year warranty. High voltage and high current.
8 - Deep cycle 220 amp/hr batteries Long lasting series connected. 10,560 watt hour total storage.
Aluminum -fixed angle- module mounts Strong, light weight, rust-free, pre-drilled, custom made, w/feet.
Stainless steel mounting hardware Bolts, nuts & washers for attaching modules & feet to mount.
Module interconnect wire Ultraviolet protected wire to connect modules together. 40'
Lightning protection Includes lightning arrestor, terminal block, watertight junction box.
Power Control Center Trace Engineering C40 PWM charge controller, array disconnect preassembled for EZ set-up.
Digital Metering Digital voltmeter for accurate battery reading. Can be mounted remotely.
Trace DR2424 inverter 2400 watts of power with 70 amp battery charger & stackable for 240 volts ac.
Battery fuse Protects you and your equipment.
#2 battery interconnects Custom made by SolarWorks! Finest available.
#2/0 inverter cables Custom made by SolarWorks! 5'
Anti-corrosive compound Use on all low voltage non-soldered connections for optimal system performance.
Instructions, wire sizing chart, power room plans & wiring diagram

PV maximum power output is 600 watts (3000 watt hours).
 5 peak sun hours per day = 1995 (usable) watt-hours (4.4A x 5hrs x 12.6v x 8 x 90%)

OPTIONS: (WHEN PURCHASED WITH SYSTEM)

WIND GENERATOR RATED 300 WATTS FOR WINDY AREAS \$525.00
More Power Additional set of four modules pre-wired for easy set-up. \$1800.00

Same power production - but with (4)L16 batteries (8400 wh)
 These are 8-10 yr. batteries
 #1/0 Battery interconnects
 Add: \$200

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SYSTEM FIVE

STATE OF THE ART 24 VOLT SYSTEM THAT WILL RUN A TYPICAL HOME FOR PEOPLE WHO WANT PLENTY OF POWER. THIS SYSTEM IS NEC (NATIONAL ELECTRIC CODE) COMPLIANT AND CAN MEET LOCAL CODES.

\$10,850

Remember:

We can design larger systems or customize anything you see here. But these can give you an idea of price vs. power.

12 - Photovoltaic 75 watt modules UL listed modules. 20 year warranty. High voltage and high current.
8 - Deep cycle 350 amp/hr batteries Can last up to 10 years. 16,800 watt hours total storage.
Aluminum -fixed angle- module mounts Strong, light weight, rust-free, pre-drilled, custom made, w/feet.
Stainless steel mounting hardware Bolts, nuts & washers for attaching modules & feet to mount.
Module interconnect wire Ultraviolet protected wire to connect modules together. 100'
Lightning protection Includes lightning arrestor, terminal block, watertight junction box.
Power Control Center Trace Engineering DC disconnect, array breaker and C40 PWM charge controller.
Trace SW4024 inverter 4000 watts of clean sine wave power. Includes conduit box cover.
#2/0 battery interconnects Custom made by SolarWorks! Finest available.
#4/0 inverter cables Custom made by SolarWorks! 10'
Anti-corrosive compound Use on all low voltage non-soldered connections for optimal system performance.
Instructions, wire sizing chart, power room plans & wiring diagram

PV maximum power output is 900 watts (4500 watt hours).
 5 peak sun hours per day = 2993 (usable) watt-hours (4.4A x 5hrs x 12.6v x 12 x 90%)
 Can be easily expanded simply by adding more PV modules.

OPTIONS: (WHEN PURCHASED WITH SYSTEM)

WIND GENERATOR RATED 300 WATTS FOR WINDY AREAS \$525.00
Engineered drawings Required for code installations \$350.00
More Power Additional set of four modules pre-wired for easy set-up. \$1800.00

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SOLAR PHOTOVOLTAIC (PV) MODULES

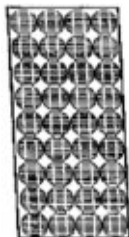
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(CALL FOR QUANTITY PRICES)

BP HIGH EFFICIENCY PANEL HAS 20 YEAR WARRANTY!

BP590F SOLAR PANEL
90 WATT RATING
4.86 AMPS@18.5VOLTS!
\$530 EACH

BP275F SOLAR PANEL
75 WATT RATING
4.45 AMPS@17.0VOLTS!
\$425 EACH



Siemens SP75 75 watts 4.4 amps @ 17v; Residential and commercial uses. \$445
Siemens M75 48 watts 3.02 amps @ 15.9v Good panel for starter systems. \$339
Siemens M65 43W self-regulating 2.95 amps @ 14.6v No need for charge controller. \$319
Siemens PC2 35 watts 2.0 amps @ 17v Power for your notebook computer! \$225
Solarex MSX-Lite Some 18 and 20 watt panels still in stock at excellent prices. \$165
Solarex TSX-53 watts@17.2v Industrial-grade 20 year warranty..List \$439 Now \$340

We stock other brands and have used modules most of the time.

MODULE MOUNTS

Pre-drilled custom made aluminum fixed mount for your solar modules. Includes stainless steel hardware kit. With feet. Made from 2" angle stock, not thin, stamped aluminum rails, like others.

We custom build PV mounts for any size & type of module array.	2 module mount (M series)&(TSX series)	\$50
	3 module mount (M series)&(TSX series)	\$70
	5 module mount (M series)&(TSX series)	\$105
	Large mount 2 module (SP75) (BP Solar)	\$75
	Large mount 4 module (SP75) (BP Solar)	\$135

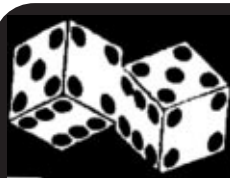
INVERTERS

Inverters change battery DC power to AC power so you can run most anything. We can get any make, model, capacity or accessory.

Statpower 140 Nice for notebook computer users	\$79
PROwatt 250 Our most popular size & seller!	\$159
PP500AC 500 watt continuous 800W surge	\$189
PROwatt 800 watt w/GFCI outlets & remote control!	\$495
PP1500AC 1500 watt continuous 3000W surge	\$495
Trace 812 12 volt 575 watts continuous	\$550
Trace 812SB with 25 amp battery charger	\$650
Trace DR1512 12 volt 1500 watt continuous	\$975
Trace DR2412 12 volt 2400 watt continuous	\$1275
Trace DR1524 24 volt 1500 watt continuous	\$875
Trace DR2424 24 volt 2400 watt continuo	\$1250
Trace DR3624 24 volt 3600 watt continuo	\$1425
RC4 Remote on/off switch for DR, 50' cable	\$50
Trace 2512 12 volt 2500 watt continuous	\$1295
Trace UX Series Inverter 600-1400 watts	\$CALL
Trace Digital metering DVM Option add...	\$125
Trace M1512 12volt 1500 watt marine unit w/70amp charger	\$975
Trace SW2512 Sinewave 12 volts 2500 watt	\$2455
Trace SW4024/48 Sinewave 4KW - Stackable for 240 volts @ 4KW	\$3175



Tell us if you see it cheaper, we'll try to beat or match the price.



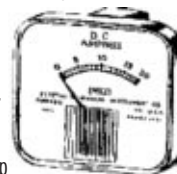
**Why gamble?
Go with a
winner!**

Live without regrets. Rely on our experienced advice and helpful service to create an optimal system for you. **SolarWorks!** is dedicated to a clean energy Hawaii & ultimately the entire world!

METERS

Meters give you basic information so you know if your system is working correctly and efficiently.

Voltmeter 10-16 volts	\$25
Ammeter specify 10,15,20,or 30 amps	\$18
Smartlight+ Battery Charge Indicator	\$39
Ammeter - analog 60 amps	\$20
Ammeter 30 amp-no wires (induction typ)	\$23
Digital Voltmeter 12/24 volt - Easy mount - Digital accuracy	\$39.50
Batterylite by Photron. The smartest, easiest meter around	\$75.00
Digital Voltmeter 12/24 volt-cigarette lighter plug-	\$12.95



Meters and other indicators too numerous to list -IN STOCK!-



Digital multimeter 5 function, 19 range. 3 1/2 digit LCD display. Test leads and instructions included. Good diagnostic tool that everyone should have. Uses included 9v battery. You'll wish you always had one!

\$29










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FUSES

Fuses protect from shorts and over-current conditions that cause fires and kill people. Fuse it or lose it! We have disconnects too.

Covered fuse box. Uses 6 ATC fuses and has negative bus bar \$20
 In line ATC fuseholder easily splices in-line \$3
 Class T fuses for inverter & battery protection in all sizes Call
Hundreds of different fuses in stock!

PLUGS, ETC.

12V Cig. receptacle to alligator clips 12 inches long \$4.75
 12V std. cig. receptacle chrome plated cover. \$5.50
 12V double receptacle. Brass cover. Marine grade.  \$11.50
 12V double adapter. 1 male plug w/2 female ends.  \$6.95
 12V triple receptacle with 12V plug.  \$9.00
 12V extension cord. 10', clips on one end, female on other  \$6.95
 12V ext. cord 10' 1 male/1 female end  \$7.50
 12V ext. cord as above except 25'.  \$8.50
 12V plug cigarette style. With 40" long wires attached  \$2.75
 Adapter 2 prong ac plug to 12V DC round plug.  \$3.95
 DC/DC Converter changes 12V to 3, 6 or 9V  \$9.50

WIRE & LUGS

We carry a full line of wire: USE, THHN, welding cable, grounding & sensor. We have marine grade crimp lugs and shrink wrap, terminal blocks, and other weird electrical gizmos to make your job easier and faster.

#10 USE XLP UV resistant	54¢	1/0 Welding cable	\$2.50
#8 USE XLP UV resistant	79¢	2/0 Welding cable	\$3.50
#8 THHN	29¢	4/0 Welding cable	\$5.00
#6 THHN	38¢	#4 Battery cable	\$1.20
#4 THHN	64¢	#2 Battery cable	\$1.50
#2 THHN	80¢		

(Prices are Per Foot)

MISCELLANEOUS

Anti-Oxidant- 1 oz. tube. Stops wire & terminal corrosion. \$3.59
 Lightning Arrestor- Cheap insurance. Needs to be grounded. \$39.00
 Lightning Box with Arrestor- In weathertight box with terminal block and grounding bolt. Ready to mount using 1 1/4" conduit. \$116.00
 12 & 24 volt LCD Digital Readout voltage tester that plugs into cigarette lighter outlet. \$12.95

CABLES

Except for the #6 battery cables, all cables are custom made for you. Crimped with marine grade lugs and marine grade shrink wrap. Inquire for prices. We'll also advise you on proper sizing.

6 gauge 12" battery cables  \$3.00

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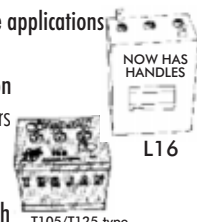
Batteries

Batteries store power from the PV modules. The number of batteries is figured by (1)how much storage you need for cloudy periods, and (2)how many PV modules you have. You must balance both to keep charged up!



12v Delco 115 Ah Designed for solar-type applications	\$98
12v Trojan Marine 27TM 105Ah	\$69
6v Trojan TG08 with carry strap provision	\$72
6v Trojan T105 deep cycle 220Ah 4-6 years	\$77
6v Interstate UL16 350 Ah	\$185
6v Trojan L16 360Ah 8-10 years	\$199
6v Trojan T125 Trojan Best Quality 235Ah	\$89
Dynasty Sealed AGM Battery 12volt @30Ah	Going Fast! \$35

(Limited supply of sealed AGM battery as price is below our cost)



BATTERY CHARGERS

Todd chargers are fast for less generator run time & best battery care. Our chargers can be set for two voltages: 14.2 and 15.0 Battery cables extra. (4' pair of #4 cables \$20)

30 Amp	\$195
45 Amp	\$295
75 Amp	\$395



The 75 amp model is in stock. Other sizes must be special ordered.

CHARGE CONTROLLERS

Charge controllers regulate PV module voltage to a safe level for batteries (more types available than listed below)

Trace C30A 12/24v, 30 amp	\$95.00
Trace C40 12/24/48v, 40amp	\$175.00
BZ 12/24v 8amp-w/charge & float indicato	\$45.00
Heliotrope 12v 15amp for wet or gel batter	\$75.00
Heliotrope 12/24/48v @ 60 or 120amps	\$CALL\$



All BZ controllers have an unbeatable -5- year full replacement guarantee !

OTHER BOOKS IN STOCK!



Want More?

We can provide more information on everything in this catalog via fax or mail or phone.

Aqua Star

Paloma



BZ products

GOLDLINE CONTROLS
INDEPENDENT ENERGY INC.

GRUNDFOS

BP Solar corp.

Miscellaneous & Hot Water Heaters



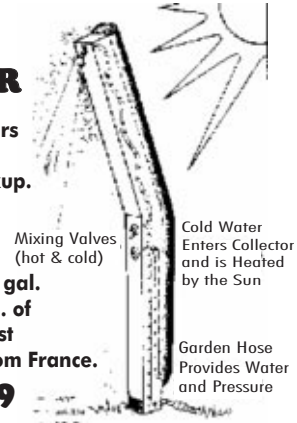
NEW ITEMS NOT YET INDEXED

- Elf-Light** 13 watt PL light in weather-proof housing 120 volts ac. \$33.50
- Siemens** Solar lantern w/2 tubes & up to 8 hrs of light per charge from included 4 watts of cell. Hi/Lo power switch. \$90.00
- Hydrometer** Check the status of your batteries \$7.95
- Marine Style** Flush mount painted metal light fixture with switch selectable white or red (prevents night blindness) light bulbs. \$19.95
- Custom-Made Power Centers & Systems**
We pre-wire the Charge Controller, Solar Array, Fuses, Metering, Master Switch, and all else you require in the system. You mount the Solar Modules, Batteries, & Inverter and your system is ready to use... **Call for Pricing**
- Whistler** 1500 watt AC inverter w/3000 watt surge. \$495.00
- Statpower** PROwatt 1500 inverter. Top of the line. \$749.00
- SolarWorks!** T-shirts Yellow with logo front & back. Large & XL sizes. \$12.50

BZ Products 12 volt LED Battery Charge Indicator (percentage of battery capacity remaining) \$45
10 LED's (green,yellow,red) show battery status!
24 Volt model of above indicator \$50

The DELUXE SOLAR SHOWER

Enjoy a warm shower outdoors without costly plumbing...
 Uses a garden hose for hookup.
 Up to 130 degree water in just 1 to 2 hours in the sun.
 Separate hot & cold water faucets. Solar Tube holds 5 1/2 gal. of water yielding over 11 gal. of 105 degree water. UPS or Post Office Shipping. Imported from France.



\$299

TANKLESS HEATERS

Paloma hot water heaters have a 5 year warranty on heat exchanger & 3 year on the rest. Best buy is on the smaller size.



- PH6 43,800 BTU \$469
- PH12 89,300 BTU \$770

WE STOCK REPAIR PARTS FOR PH-6 UNITS & THE OLDER MODEL PH-5 BY PALOMA !



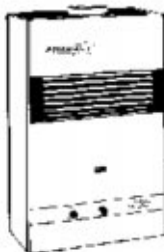
Solar Shower \$15.00

5 gallon size. Gets hot! Lay it in the sun then hang it up & rinse off.

Aquastars have a 10 year warranty on heat exchanger and 2 year on the rest. Best heater for solar water system back up. Better buy than Paloma in the larger sizes. We can also order ELECTRIC type ON-DEMAND WATER HEATERS from other manufacturers.

- Mod. 80 77,500 BTU \$575
- Mod. 80-S (solar) 80,000 BTU \$620
- Mod. 125 125,000 BTU \$685
- Mod. 125-S (solar) 125,000 BTU \$745
- Mod. 170 165,000 BTU \$990

Aqua Star



- Siemens Procharger 17 watt panel \$159**
- Neste 4 watt aluminum framed glass panel \$70**
- Solarex SA-5 Glass module 5 watts w/mounting frame \$70**
- Trojan Battery Co. J185 12 volt 180 A/H Battery w/carrying straps (same case as L-16 type) \$185**

NOTICE !

We now stock tower sections for Windmill, CB, & TV use.
 Made from 1 1/2" Galvanized tubing in 11" triangle form.
 10 foot straight or top section \$165 each
 5 foot tilt-over hinged base section \$165 each
 Bracket for house support of tower \$49
 Factory recommends guy wires with towers over 30 foot in height when used with AIR 303 windmill.
 Larger size 14" triangular tower available on special order.

We Buy & Sell Used Equipment
Call for Availability of an Item.

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Pumps

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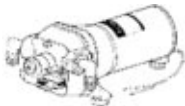


Call us..For other FloJet models in RV & Marine uses.

12 or 24 VOLT DC or 115 VAC

FloJet mod #4405. Quad design for strong, quiet pumping. Needs no pressure tank. 20 PSI on/35 PSI off. 3.3 GPM. 2 year guarantee.

\$85



FloJet mod #4325-143. Higher flow rate: 20/40 PSI, 4.5 GPM. Includes 3/4" barb stainless steel inlet filter.

\$125

If You Want Your Water To Flow, Get A FLOJET ![®]

Completely Assembled Pump System

Our ready to hook up 12 or 24 volt pump system includes a FloJet 4325 continuous duty pump, 1.1 gallon pressure tank and a 3/4" barb stainless filter, all mounted on a non-corrosive base for easy installation. 27/40 psi@4.5gpm

\$175

Just hook up to a power source & water and THAT'S IT!

We believe the FLOJET is by far the best pump on the market. We know what it's like when your water system is down. FLOJET makes sure we are well stocked with replacement parts/units for warranty service, and we make repairs or replacement as soon and as hassle free as possible, so your system won't be down for long! Our hats off to FLOJET for making it possible for us....

WE STOCK ALL PARTS FOR THE FLOJET PUMPS WE SELL

Debris Filter 3/4" hose barb fitting on both sides. Stainless steel 50 mesh screen. Screw on housing. Heavy duty. **\$12**

FloJet Filter lighter duty, plugs into FloJet. Specify barb or threaded end. **\$7.95**

120 / 240 VOLT AC

Grundfos ac pumps are the best. Stainless steel impeller, housing & nozzle, anodized mounting base. Designed for continuous operation. Set at 30-50 psi.

You get what you pay for. Why settle for less?

Made in America.



1/2 hp 780 GPH @ 35 psi. **\$319**

3/4 hp Our best selling ac pump **\$375**

PRESSURE TANKS

WellMate, composite, corrosion proof. 5 year warranty.

4 gallon	1.1 gal draw	\$83
15 gallon	4.3 gal draw	\$179
20 gallon	5.9 gal draw	\$196
30 gallon	8.9 gal draw	\$299
40 gallon	12.1 gal draw	\$375
60 gallon	18 gal draw	\$457
87 gallon	26 gal draw	\$525



State pressure tanks are steel w/epoxy lining. 5 year warranty.

2 gallon	0.7 gal draw	\$51
5 gallon	1.6 gal draw	\$73
20 gallon	7.4 gal draw	\$175
36 gallon	13.3 gal draw	\$278
52 gallon	19.2 gal draw	\$375

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Clear housing lets you see when cartridge is dirty. Built-in valve & shut-off

for easy filter change. 3/4" connections for standard hook-up to copper or plastic. **\$35**

Ametek Under Counter Kit. Comes with 3/8" slim undersink clear housing, faucet kit and WLC-R filter. The lowest cost undersink unit around. A SolarWorks! special (not pictured) **\$89**

Water Filter Faucet WF-1 Only (not pictured) **\$18.75**

We specialize in catchment water filtration systems, & use what we sell.

Travel Filter Purifies up to 40 gallons. Effective against bacteria, viruses, cholera, hepatitis-A, giardia, etc. Uses activated carbon & demand-release iodine matrix, released only when micro-organisms are present. Travel the world safely. **\$11.95**

Ceramic Filter Purifies up to 500 gallons. Effective against bacteria, giardia, cryptosporidium, tapeworm, flukes. Pump one ounce per stroke. Replaceable 0.9 micron ceramic element. Low cost method to insure safe catchment water. **\$31**

Rainshow'r You inhale & absorb far more chlorine showering than you drink daily. Rainshow'r removes cancerous chlorine from 15,000+ gallons of water. Includes award-winning low-flow 2.5gpm chrome plated brass head. KDF55 technology. **\$45**

Replacement filter **\$34**

Gard 'N Grow filter (for garden) **\$42**



Ametek CT-WLC. Countertop easy to install. Filters out lead, chemicals, heavy metals, giardia, cryptosporidium. Lowest cost for full-spectrum protection. **\$82**

Filters

Let us advise you on filter selection for your drinking, whole house, traveling, and other water related needs. Filters & housings in stock for all applications.

CARTRIDGES

Ametek W5W 2-pak 5 micron poly for sediment **\$6.50**

Ametek W5CIP 2-pak 5 micron carbon for chlorine **\$13.95**

Ametek WLC-R Chemical/Heavy metal/Giardia, 0.5 micron **\$29.00**

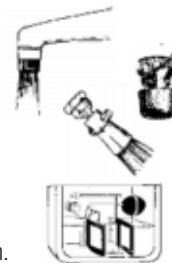
WATER SAVERS

Aerator Save water! Chrome plated solid brass. 2.5 gpm @ 30 psi **\$2.25**

Aerator Flip switch cuts water to a trickle while you shave, etc. **\$7.50**

Showerhead Low flow chrome plated solid brass with cut off valve while you lather up. Lifetime guaranty. **\$11.95**

Toilet Dams Save up to 50% water per flush. **\$10/pair**



Refrigerators



PROPANE

OUR BEST SELLER YEAR AFTER YEAR!

Servel RGE 400 This 7.7 cu. ft. model has convertible left or right hinges. Battery powered interior light! Uses about 1.5 gal/wk. The best propane refrigerator available today. Can be shipped anywhere. Stock color: white

NORCOLD We now carry Norcold gas refrigerators in smaller sizes 2 cu. ft. Model 322 - \$440. 5 cu. ft. Model 452 - \$840. 8 cu. ft. Model - \$1250.



ELECTRIC

Vestfrost Refrigerator 880 watt hours per day. 115v ac. 6.9 cu. ft. fridge and 3.5 cu. ft. freezer. This is interior volume vs. the bogus exterior volume mainstream mfrs. list. 78.7" H x 23.4" W x 23.4" D. Sealed design. Left or right hinge, auto defrost, ozone friendly refrigerant & insulation.



\$995 plus shipping



Vestfrost Freezer 7.5 cu. ft. 115v ac. Uses 540 watt hours per day. Counterbalanced lid, interior light, ozone friendly refrigerant and foam.

\$695

SUNFROST

SunFrost is a very energy efficient refrigerator—good choice for independent power systems. Super reliable and quiet.

Available in 12 or 24 volt DC, and 120 AC. Specify right or left hinge. Custom built - allow about 7-9 weeks delivery (unless we have one in stock).

Freight collect FOB Arcata, CA

- RF4, R4 & F4 4 cu. ft. refrigerator/freezer \$1305
- R10 10 cu. ft. refrigerator \$1505
- F10 10 cu. ft. freezer \$1605
- RF12 12 cu. ft. refrigerator/freezer \$1875
- RF16 16 cu. ft. refrigerator/freezer \$2515
- RF19 19 cu. ft. refrigerator/freezer \$2655
- R19 19 cu. ft. refrigerator \$2405
- F19 19 cu. ft. freezer \$2705



AC Models are available. Prices are the same on the 4-10 cu. ft. models. The 12-19 cu. ft. models are \$75-150 less depending on model. Inquire.

Internet Edition DSD 04-98

It's A Fact!

SolarWorks! is "The Source" of replacement parts for Servel & Modern Chef appliances.

COMPOST TOILET NOTE: AS OF THIS PRINTING, WE HAVE SUNMAR -EXCEL NE- PRODUCT IN STOCK. IT IS BY FAR OUR BEST SELLING MODEL & THE EASIEST TO INSTALL & MAINTAIN.

GAS HEATER



15,000 BTU. Vent-free efficient radiant heat settings. Wall mount or use optional floor stand. Perfect to take the chill off winter cold.

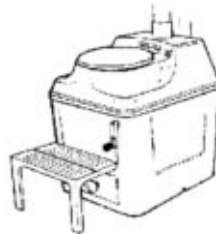
Model CH15 \$210
Floor Stand \$20

Toilets

SEALAND ULTRA-LOW FLUSH high quality porcelain toilets with one-pint flush! Model 910 is compact in size for small spaces; Model 510 is full sized. The universal mount is recommended for easier installation. A must for the flush model composting toilets below.

Sealand model 510 Large bowl, white \$239
Universal mount \$24.95

COMPOSTING TOILET



Composting toilets are ideal for self-contained waste systems. The NE and XL require no water and the NE and WCM-NE need no electricity. Color brochure available on request. Made in Canada.

- EXCEL NE** Non-electric (pictured) Waterless \$1095
- EXCEL** Same as above but needs electricity \$1295
- COMPACT** All new electric unit. Waterless \$1195
- NOTE - the following use 1-2 pint flush toilets.** \$1195
- CENTREX** electric unit, front vented \$1295
- CENTREX NE** As above but non-electric \$1095
- WCM** Same as Centrex but rear vented \$1295
- SolarVent Solar Powered Fan** for increased evaporation in non-electric models. Sun-powered. \$39

GAS SUPPLIES

Auto Switchover hooks up two propane tanks. When one is empty, it switches to the full one so you can remove and refill the empty. Makes life easier.

- With RV rubber pigtails and thumbwheels \$51.00
- With copper pigtails \$47.50
- Regulator** Connects by hand-no tools needed \$13.95
- 6' hose RV hose for easy tank connection \$13.50
- 10' hose RV hose for easy tank connection \$19.50
- 48" corrugated brass appliance connector 3/8" \$15.50



STOVES

Modern Chef is the best off-grid gas range. Lifetime warranty on burners. Pilot models for use with home power systems. Top burner pilots can be shut off. (Most electronic ignitions can keep inverters on all the time) Other sizes & models available.



30" white porcelain stove \$459
20" Ideal for small spaces \$419



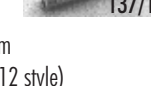


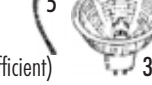
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Lights





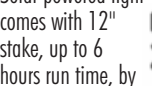

You save money and conserve power when you use energy efficient lighting.

Wind

FLUORESCENT

- 16 watt -GE- "PL" (110 VAC) \$14.00
- DC FLOURESCENTS (12 volt)**
- | | | | |
|----------------|---|---|---------|
| Thinlight 108 | 22 watt circline lamp adaptor |  | \$39.50 |
| Thinlight 109C | 22 watt circline 9.5 diameter |  | \$37.95 |
| Thinlight 111 | 8 watt 12" x 4" x 1" One bulb |  | \$33.95 |
| Thinlight 112 | 16 watt Two bulbs |  | \$41.35 |
| Thinlight 137 | 20 watt One bulb. Opaque cover |  | \$43.95 |
| Thinlight 138 | 40 watt 2 bulbs. Opaque cover |  | \$49.55 |
| Thinlight 139 | 40 watt 1 bulb w/Opaque cover |  | \$59.00 |
| Thinlight 153 | 40 watt no cover (bulb included) |  | \$47.00 |
| Thinlight 191 | 8 watt Hi-Tech style aluminum |  | \$32.75 |
| Thinlight 193 | 15 watt Hi-Tech style aluminum |  | \$37.00 |
| Thinlight 134 | 30 watt, 2 bulbs (similar to 112 style) | | \$45.50 |
| Thinlight 162 | Weatherproof aluminum, 16 watt, 2 bulbs with amber lens for less insect attraction! | | \$54.95 |

12 VOLT LIGHTS

- | | | | |
|----------------|--|---|---------|
| 1 Incandescent | 15, 25 or 50 watt bulb |  | \$2.95 |
| 2 Halogen | 10, 20, 35 or 50 watt (30% more light) |  | \$13.95 |
| 3 Spot Light | 20 watt reflector bulb - screw base |  | \$16.00 |
| - | Adaptor for bi-pin type to screw in fixture |  | \$11.50 |
| 5 Osram | Gooseneck 20" Bright reading light |  | \$29.95 |
| - | Light Dimmer 12v/8 amp capacity (very efficient) |  | \$35.00 |

OUTDOOR SOLAR LIGHTS

- Sensor Light** Solar powered motion detector light, highest quality, has 20 watt halogen bulb, 1 yr warranty, by ALPAN \$119
- Pathway Light +** Solar powered light comes with 12" stake, up to 6 hours run time, by Siemens \$50
- Many Solar Lights Not Listed: CALL**

- Prime Coach Light** Hi-low bulb lasts 9 hrs on low, 5 on high, by Siemens, 2 year warranty \$70

- Pathmarker** Mark driveway or path with soft red glow, up to 12 hrs, box of two \$33

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-USE SOME WIND-
"NEW TECH SPORTS"
KITES AVAILABLE NOW!

Quiet 3 Blade Design
AIR 303 "Land"
Wind Generator
\$499

Air 303 Marine Version \$700
300 watt wind generator. Available in 12 or 24 volt. Easy modular set up. Built-in adjustable voltage regulator. Marine version is for direct salt water contact..



We sell larger wind machines & tower sections

GREAT IDEAS

- 12volt, 2 Speed Fan**
\$38
8" oscillating quiet fan. draws 1.25 amps on low; 2 amps on high.

SOLAR-DYNAMO-BATTERY MULTI-POWERED AM-FM RADIO \$29.00



- 12 Volt Coffee Maker makes 5 cups** \$26.95 (no picture yet)

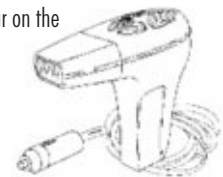
- 12v Fan** \$25
5 1/2" oscillating fan. With wiring harness & mounting hardware. Draws 1.5 amps.

- Mini Clothes Line** \$15
Compact, portable clothesline. Let the sun dry your clothes. 12.5 ft.



Solar Cool Cap \$19.95
Fan runs off the sun. You'll always be cool. On/off switch.

- 12v Hair Dryer** \$13
If you've got the juice, go for it. Or use it in the car on the way to work for those late mornings. 150 watts.



- 12v Curling Iron**
Chrome shaft, high/low temp. switch. 6' cord. 2 amps.
\$12



Solar Flashlight \$35

Recharges batteries also! Use with AA, C or D size nicad batteries.

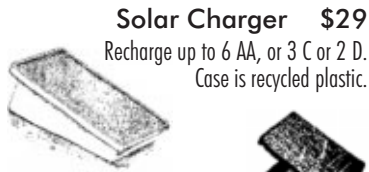


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- Solar Race Car Kit**
Includes 9" x 4" clear plastic body - cut out with scissors, motor, solar panel, wheels and axle.
\$26

OTHER USEFUL IDEAS



Solar Charger \$29
Recharge up to 6 AA, or 3 C or 2 D.
Case is recycled plastic.

Solar Charger \$29
Recharge AAA-AA-C-D rechargeable batteries.



12v Nicad Charger \$21
Use your 12 volt system or car. Holds 4 AA, C or D, or one 9 volt battery.



Compass \$4.50
Know where South is for maximum solar energy.
Jeweled needle ninion. Hinged lid.



Lock Blade \$3 & \$4
2 1/2" or 3" stainless steel, inlaid hardwood handle with brass ends & liners



Multi-Function Knife \$5
Full stainless steel body and blades. Comes wi



Hunting Knife \$26
Stainless steel blade, 12 1/2".
With sheath.

Pocket Workshop

14 tools in one includes pliers, wire cutters, knives, can & bottle opener, screwdrivers. Hardened stainless steel. Case with belt loop included. Very good quality at less than half the price of others. **\$7.95**



DSD 04-98
Internet Edition

Non-Radioactive Smoke Detector



If your detector says "Am-241" or "americum-241", its deadly. Use our safe one for faster smoke detection, fewer false alarms. Specify 9v battery or 120v

\$29

We Now Have Electronic Mosquito-Repellant Devices Solar or Battery Powered \$8 Solar or \$5.95 Battery

Great Gift!

12v Wet/Dry Vacuum \$35

Much stronger than car vacs. One gallon capacity. 12,500 rpm motor, 36" hose, 15' cord, with tools.



TYTON cable-tie in bags of 100 ...15 inch-\$8 or ...8 inch-\$5



ShowerStar \$39

Experience a light show in your own shower! Water pressure runs a tiny generator and lights up bulb in showerhead. Safe, no batteries, installs in minutes. Comes with clear, red, blue and green bulbs. Needs approx. 2 gal. per minute. Built in restrictor.

12 Volt Blender \$110

By Waring. 45 oz. plastic pitcher, 15' cord with cigarette lighter plug. Powerful. Excellent Waring Quality.



Notice:

Due to events seemingly beyond our control, prices and specs may change. We regret any inconvenience or manic conditions these may elicit.

To Order

You can visit, mail, fax or phone. Use the order blank on the next page.

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Ocean View Town Center
40 miles south of Kona
Between Mile Marker 77-78
Hrs: T-F 9-5; Sat 10-2
Closed Sun & Mon

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SolarWorks!
P. O. Box 6264
Ocean View, HI 96737
For Delivery Use:
525 Lotus Blossom Lane

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808-929-9831

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Questions:

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Ordering:

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We're ready to help you.



We ship to all the Hawaiian Islands and to the Mainland for your convenience.

We can have products drop-shipped to you, to the dock, or you pickup at our store.



Come See Us When You're On Vacation!

We're Here On "The Big Island" in Ocean View, Hawaii

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Internet Edition

Order Form

You can STOP BY our store, PHONE or FAX in with a credit card, or MAIL in an order with a check, money order, or credit card authorization. We try to keep things in stock (except where noted), but we'll let you know if something has to be special ordered. To ORDER from the BIG ISLAND HAWAII call 929-9820. To ORDER from NEIGHBOR ISLANDS or MAINLAND call 1-800-894-9820 FAX: (808) 929-9831

Item	Qty.	Price ea.	Total price

SHIPPING POLICY
We ship via method that meets your needs. **Parcel Post** is cheap and takes 1-2 days on the Big Island, 3-5 days to Oahu and islands. Mainland: we will try to drop ship. **Priority Mail** and **UPS** cost more, but delivery takes only 1-3 days to Neighbor Islands & Mainland drop ship. **Call us** for exact charges when you order. **Barge** shipments are sent freight collect.

Shipping	
Sub-Total	
Tax (If applies)	
Total	

BILL TO: _____ **SHIP TO: (if different)** _____
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 Address _____ Address _____
 City _____ City _____
 State _____ Zip _____ State _____ Zip _____
 Day Phone _____ Day Phone _____

METHOD OF PAYMENT: Check MasterCard Visa Discover
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 (808) 929-9820 Toll Free- 1-800-894-9820**



THE SOLARWORKS!® DIFFERENCE

Everyone at SolarWorks!® lives off the grid with solar power, so **we know what we sell**. We've seen literally hundreds of systems out in the field and **we know what works** and what doesn't and why. We've seen what some of the other guys do and we're happy to report that we don't do the same thing! The critical difference is that we design a **system** using applied electrical theory and proven design principles, not just a bunch of parts hooked together according to some salesperson's notion.

Solar powered electric systems are more sophisticated than ever, with most of the improvements in the manufacturing and electronics. But the technology is forgiving and revolves around some long-standing tried and true fundamentals, so even a poorly executed system will function. However, a properly designed system will give you a more efficient, more reliable, and longer lasting power source.

If you decide to go solar electric, you'll want to go for the **long haul**. SolarWorks!® prides itself on intelligent design, helpful service and good value.

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