

DAHSE-WALK HOUSEHOLD ELECTRICAL LOADS

You can easily run all of this stuff on thirteen, 120-130 watt solar panels charging ten, 98 amp-hour, 12-volt storage batteries. (Not all at once, of course!)

GENERAL HOUSEHOLD SYSTEMS

23 **Lights** (All L.E.D.- type, ranging from 4 to 8 watts – all DC)

Water **Pressure Pump** (12-volt DC)

10 gal. **Water Heater** (diverted solar DC)

DC Composting Toilet **Fan**

DC Ceiling **Fan**

AC Table **Fan**

Battery **Chargers** for Cordless Tools

Battery **Chargers** for Rechargeable Batteries

AUDIO EQUIPMENT

Stereo **Preamplifier-Tuner**

1000 watt Subwoofer **Amplifier** (DC)

2 Mini-Disk **Recorder/Players**

CD Player

Dual **Tape Deck**

Frequency Band **Equalizer**

AM/FM/Short-wave **Radio** (DC)

VIDEO EQUIPMENT

19" Widescreen Digital LCD **Color TV** (DC)

Amplified External **Antenna** (DC)

Additional internal **video amplifier**

1 VHS **VCR**

1 Hard Drive/**DVD Recorder**

CRAFT EQUIPMENT

Iron, Soldering Iron and Woodburning Tool

OFFICE EQUIPMENT

2 Laptop **Computers**

Color Ink Jet **Printer**

DVD/CD **Recorder**

USB Hub (DC)

Telular stationary Cell **Phone System** (DC)

Wild Blue Satellite **modem**

HOUSEHOLD EQUIPMENT

KitchenAid **Mixer**

Phillips "Stick" **Blender**

1 HP **Flour Mill** (DC)

9-amp Canister **Vacuum Cleaner**

Staber **Washing Machine**

Small 75 watt **Refrigerator** (diverted solar DC)

Home-made 12-volt, 1200-watt **DC oven**

OUTDOOR EQUIPMENT

AC **Bench Grinder**

16" Cordless **Lawn Mower** (solar DC charge)

12-volt Cordless **String Trimmer**

120-volt AC Mantis **Rotary Tiller**

G.E. Electrak **Garden Tractor** w/mower & tiller (36-V, direct from the solar panels)

1/2 HP **Apple Grinder** (for apple press)

1/3 HP **Irrigation Pump** (for garden)

12 volt Electric **Fence Charger** (DC)

2 Electric Tricycles w/ 36-volt Nano-Lithium battery packs charged directly from solar

1979 Porsche 924, converted to electric drive, charged with an on-board AC charger or directly from all 13 PV panels as 48-volt DC

Careful consumption and conservation are the keys to a successful alternative energy home.

The solution to pollution is
the solar revolution!