

# DAHSE-WALK HOUSEHOLD ELECTRICAL LOADS

You can easily run all of this stuff on a dozen 120-watt solar panels charging four 375 amp-hour, 6-volt storage batteries. (Not all at once, of course!)

## GENERAL HOUSEHOLD SYSTEMS

23 Lights (6 Compact Fluorescent, 16 Halogens, and 1 LED – 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)  
1 VHS VCR  
1 Hard Drive/DVD Recorder

## CRAFT EQUIPMENT

Iron, Soldering Iron and Woodburning Tool

## OFFICE EQUIPMENT

Laptop Computer  
Color Ink Jet Printer  
DVD/CD Recorder  
USB Hub & External Computer Fan (DC)  
Stationary Cell Phone System (DC)

## HOUSEHOLD EQUIPMENT

KitchenAid Mixer  
"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

Bench Grinder  
Cordless Lawn Mower (AC or solar DC charge)  
Cordless String Trimmer  
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 a 144-volt, a0-amp charger

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

The solution to pollution is  
the solar revolution!