

Alternative Power Sources Checklist

Solar Power:

Solar Panels: To harness solar energy.

Solar Charge Controller: To regulate the voltage and current coming from the solar panels.

Solar Inverter: To convert DC power to AC power for use with household appliances.

Solar Battery Storage: To store solar energy for use when the sun is not shining.

Solar Powered Devices: Like solar lights, solar chargers, and solar water heaters.

Wind Power:

Wind Turbines: To harness wind energy.

Wind Inverter: To convert the generated DC power to AC power.

Wind Battery Storage: To store wind energy for later use.

Hydro Power:

Micro Hydro Generator: If you have a flowing water source nearby.

Hydro Inverter: To convert the generated DC power to AC power.

Hydro Battery Storage: To store hydro energy for later use.

Battery Power:

Portable Power Stations: Rechargeable battery-powered generators.

Rechargeable Batteries: Assorted sizes for various devices, with solar or conventional chargers.

Gas Generators:

Portable Gas Generators: For temporary power needs.

Standby Gas Generators: For longer-term, higher capacity power needs.

Fuel Storage: Safe storage containers and stabilizers for stored fuel.

Propane Generators:

Portable Propane Generators: For temporary power needs.

Standby Propane Generators: For longer-term, higher capacity power needs.

Propane Storage: Safe storage tanks and connections.

Hand-Crank and Pedal Power:

Hand-Crank Chargers: For small devices like cell phones and radios.

Pedal Generators: Larger pedal-powered generators for charging batteries or powering devices.

Fuel Cells:

Hydrogen Fuel Cells: For generating electricity from hydrogen.

Methanol Fuel Cells: For generating electricity from methanol.

Biomass:

Biomass Generators: Converting organic material into electricity.

Biofuel: Production and storage for use in suitable generators.

Heat Capture:

Thermoelectric Generators: Converting heat into electricity, especially useful with wood stoves or other heat sources.

Miscellaneous Supplies:

Extension Cords: Various lengths and gauges for connecting to your power sources.

Power Strips: With surge protection for multiple devices.

Voltage Regulator: To prevent voltage fluctuations that could damage electronics.

Electrical Maintenance Tools: Like multimeters, wire strippers, and electrical tape for repairs and maintenance.

Educational Resources:

Alternative Energy Workshops: For learning how to set up and maintain alternative power systems.

Books and Manuals: On installation, maintenance, and troubleshooting of alternative power systems.